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R. Holmes
1959-64

Catalogue

1959	#1-571	Alaska: Barrow
1960	#584-631	California
	#632-886	Alaska: Barrow
	#887-972	California
1961	#980-1021	Mexico: Baja
	incl. W.C Russell #13726-13763	
	incl. C. J. Ralph #1-31	
	#1022-1072	California
	#1073-1307	Alaska: Barrow
	#1308-1358	California
1962	#1360-1466	California
	#1467-1534	Alaska: Anchorage
	#1535-1777	Alaska: Barrow
	#1778-1804	Alaska: Anchorage
	(dup. #s 1778-1779 Belmont Slough, CA.)	
	#1808-1820	California
	#1831-1836	Alaska: Anchorage
1963	#1901-2120	Alaska: Barrow
	#2121-2129	Canada: Banks Island
	#2130-2337	Alaska: Barrow
	#2351-2398	California
1964	#2401-2418	Alaska: Barrow

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1959 - 1964

Alaska

Catalog

1959:	#1 – 57
1960:	#584 – 972
1961:	#980 – 1358
incl. W. C. Russell #13726-13763	
incl. C. J. Ralph #1-31	
1962:	#1360 – 1836
1963:	#1901 – 2398
1964:	#2401 - 2418

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6 June Barrow, Alaska

59-1 ♂ Plectrophenax nivilas - Testis 10mm - light fat - 34.1

59-2 ♂ Calcarius lapponicus - Testis 10mm - light fat - 32.7

8 June Barrow, Alaska

59-3 ♂ Erolia alpina - Testis 12mm - mod. fat - 58.1

1 June Barrow, Alaska

(skull) 59-4 ♀(?) Mustela rixosa. Tol-176, TL, 17, HF-20, E-8
captive at ARL for 1 year previously 64.5g

9 June Barrow, Alaska

59-5 ♂ Erolia alpina - Testis 13 mm - Light fat - 50.3

10 June Barrow, Alaska

59-6 ♂ Erolia alpina - Testis - 12mm - Mod. fat 55.2

59-7 ♀ Erolia alpina - Ova - 8mm - Mod Fat 66.7
Paired with 59-6

59-8 ♀ Erolia alpina - ova 10mm - Light Fat 60.0

59-9 ♀ Erolia alpina - ova 5mm - Light fat 58.7

59-10 ♂ Erolia alpina Testis 11mm - Light fat 50.6

59-11 ♂ Erolia alpina Testis 10mm - Light fat 49.7

11 June Barrow, Alaska

59-12 ♂ Erolia alpina Testis 14 mm - Light fat 50.3

59-13 ♂ Plectrophenax Testis 11mm - Light fat 35.4

12 June Barrow, Alaska

59-14 ♂ Erolia alpina Testis 10 mm - Light fat - 54.5

59-15 ♀ Erolia alpina Ova 7mm - Light Fat 62.4
non-displaying bird of a pair

59-16 ♂ Erolia alpina - Testis 7mm - light fat 53.2
not approached by mate after death

Catalog

12 June Barrow, Alaska

59-17 ♂ Erolia alpina - Testis 10mm - Light Fat - 50.0
Displaying member of a pair. Paired with 59-18
59-18 ♀ Erolia alpina. Ova 10mm - Light Fat 64.2
59-19 ♂ Erolia alpina - Testis 10mm - Light Fat - 54.8
Returned after mate (59-20) was shot
59-20 ♀ Erolia alpina - Ova 13mm Light Fat - 76.0
59-21 ♂ Erolia alpina Testis 9mm - Light Fat - 51.1
59-22 ♀ Erolia alpina - Ova 12mm - Light Fat - 76.6
paired with 59-21

13 June Barrow, Alaska

59-23 ♂ Erolia alpina - Testis 8mm - Light Fat - 51.7
Paired to 59-24 Bill 32mm
59-24 ♀ Erolia alpina - Ova 5mm - Light Fat - 55.9
- believed to drop feet + give alarm note Bill - 35mm

14 June Barrow, Alaska

59-25 ♂ Erolia alpina - Testis 12mm - Light Fat - 53.6
- dropped feet, gave alarm note, + displayed Bill - 35mm
59-26 ♂ - Erolia alpina - Testis 13mm - Light Fat - 54.4
Paired with 59-27 Bill 35mm
59-27 ♀ Erolia alpina - Ova 16mm - Light Fat - 76.5
1 collapsed follicle Bill 36mm
59-28 ♂ Erolia alpina Testis 10mm - Light Fat - 55.4
Paired with 59-29 Bill - 33mm
59-29 ♀ Erolia alpina - 1 Ruptured follicle - Light Fat - 75.3
Bill - 39mm
59-30 ♂ Calcarius - Testis 12mm. Light Fat 29.9

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15 June Barrow, Alaska

59-31 ♂ Erolia alpina - Testis 10mm - Light Fat - 54.7
bird which displayed, dropped feet, + called Bill - 36mm

59-32 ♀ - Erolia alpina - Largest ova - broken next largest - 11mm Light Fat - 73.6
did not return when 59-31 was killed Bill 37mm

59-33 ♂ - Erolia alpina - Testis 7mm - Light Fat 55.0
Bill 36mm

18 June Barrow, Alaska

59-34 ♂ - Erolia alpina - Testis - 9mm - Light Fat Bill - 33mm 52.5

23 June Barrow, Alaska

59-35 ♀, Phalaropus fulicarius - ova to 3mm eggs laid previously - Light fat 54.5

27 June Barrow, Alaska

59-36 ♀ Charadrius vociferous - ova to 1mm - uterus minute - Moderate Fat 95.6

29 June Barrow, Alaska

59-37 ♀ Calcarius lapponicus, Trap II - 9.2 - ova - <1mm - B.P. well devel. Light Fat 24.5

3 July Barrow, Alaska

59-38 ♂ Phoca hispida (?) - 1" blubber 109 lbs.
collected at Birnirk by Pete Savolik - Stomach saved 325 ml.

9 July Barrow, Alaska

59-39 ♂ Phalaropus fulicarius - Testis 5mm - molt - vent, dors, cap Tracts - B stage feathers thru-out Moderate Fat 50.9 g

59-40 ♂ Phalaropus fulicarius molt - vent. tract only A + B feathers from neck back 47.9
- light fat - Testis 4mm

10 July Barrow, Alaska

59-41 ♂ Phalaropus fulicarius - molt - vent., dors., cap Tracts - A stage 40.1
Testis 4mm - Light Fat

59-42 ♂ Plectrophenax nivalis - Testis 3mm - Light Fat 36.7

13 July Barrow, Alaska

59-43 ♀ Erolia alpina) - Light Fat - Brood Patch - no body molt Ova - up to 1mm 53.8

59-44 ♂ Erolia alpina + displayer) - Sl. Brood patch - No body molt - Testis 4mm - Light Fat 51.0

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15 July Barrow, Alaska
51 ♂ Lemmus 135-18-18-9 Testis 9mm No molt Light Fat -55.5
*53 ♀ Juv. Erolia bairdii -ova minute - no fat 7.4

16 July Barrow, Alaska
0-½c-0/0-0/-m
54 ♂ Calcarius - Testis 3mm - No fat 22.4
B-E-A/0-0/m
55 ♂ Calcarius - Testis 1mm - Light Fat 23.7

18 July Barrow, Alaska
No molt
57 ♂ Erolia melanotos - Testis 4mm - Moderate Fat - 89.2
-Displayer Brood-patch Wing molt - No body molt Bill-38mm
58 ♂ Erolia alpina - Testis 5mm - Mod. Fat 55.6
No molt - Brood patch
59 ♂ Erolia bairdii - Testis 3mm - Moderate Fat 38.9
No molt - Brood patch
60 ♂ Erolia bairdii - Testis 3mm - Light Fat 30.5

20 July Barrow, Alaska
Brood patch No molt
61 ♂ Ereunetes pusillus - Testis 2mm - Light Fat 26.2
-Brood patch - vent. molt
62 ♀ Erolia melanotos - ova <1mm - moderate fat - 66.3
Brood patch - no molt
63 ♀ Erolia melanotos - ova 1mm - moderate fat 62.9

21 July Barrow, Alaska
E-E-½c/D-D/D-½c
64 ♂ Calcarius Testis 2mm - Light Fat 27.5

22 July Barrow, Alaska
Light Fat
66 ♂ Phalaropus fulicarius - Testis 3mm - Molt-vent. 42.9
Brood patch
*67 ♀ Erolia alpina pair - ova - 1mm Light Fat 60.4
-display Brood patch
*68 ♂ Erolia alpina - Testis 3mm - Light Fat 55.7
, single Brood patch No molt
69 ♀ Erolia melanotos - ova 1mm - Moderate Fat 77.6
molt - vent.
70 ♂ Erolia melanotos - Testis 3mm - Heavy Fat 108.9
large flock No molt
71 ♂ Erolia melanotos - Testis 3mm - Heavy fat - 102.2
Molt - vent., + dors. A+D Type - Brood patch
72 ♂ Erolia bairdii - Testis 2mm - Moderate Fat - 41.2
Molt - vent., dors. Brood patch
73 ♀ Erolia bairdii - Ova - <1 - Light Fat 37.3
Molt - Brood patch
*74 ♂ Erolia bairdii - Testis 3mm - Light Fat 40.5

*72, 73, 74 were taken from a flock of 6 birds.

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23 July Barrow, Alaska

E-E-B/B-D/½c-B

75 ♂ Calcarius - Testis 2mm - Light Fat 26.0

E-⅔c-0/⅓c-0/B-0

76 ♀ Calcarius - ova <1mm - Light Fat 23.1

24 July Barrow, Alaska

Molt - vent + dors. A+B feathers

77 ♂ Phalaropus fulicarius - Testis 3mm - Light Fat 48.2

E-E-D/E-E/D-⅔c

78 ♀ Calcarius - ova <1 - Light Fat 25.3

- Brood patch - Molt - vent.

79 ♂ Erolia bairdii - Testis 1.5mm - Light Fat 32.0

* 82 ♂ J. Erolia alpina - Testis 1mm - very light Fat 36.2

83 ♀ J Erolia alpina - ova minute - No Fat 31.9

Brood patch. Molt - vent, dors + cap

84 ♂ Erolia bairdii - Testis 2mm - Moderate Fat 34.5

* 85 ♂ J Erolia alpina - Testis 1mm - Light Fat 33.9

26 July Barrow, Alaska

E-E-⅗c/D-0/D-½c

87 ♂ Calcarius - Testis 2mm - No Fat 25.2

27 July Barrow, Alaska

E-E-⅔c/E-¾c/⅔c-A

89 ♂ Calcarius - Testis 1mm - Light Fat 27.5

Molting

90 ♂ Calcarius - Testis 2mm - No Fat 26.8

Brood Patch

91 ♂ Plectrophenax nivalis Testis 1.5mm No Fat 28.2

92 ♂ Juv " " Testis 1mm - No Fat 29.3

93 ♀ Juv " " - ova <1mm - No Fat 27.1

Bill - 34mm - Molt - vent, dors. - A+B stage

94 ♂ Erolia alpina - Testis 3mm - Light Fat 56.6

* 95 ♀ Ad " " - Ova 1mm - Light Fat 59.5

Molt - dors. & vent. Bill 38.5

96 ♀ " " - ova <1mm - Light Fat 55.6

28 July Barrow, Alaska (P. H Point, POW #1)

Reared at POW 1

ARL - 101 ♀ J. Anser albifrons? ova minute - No Fat 89.7

29 July Barrow, Alaska

Molt - vent, dors. + cap

102 ♂ Phalaropus fulicarius - Testis 3mm - Moderate Fat 48.9

Molt - vent, dors. + Cap

103 ♂ " " Testis 2.5mm Moderate Fat 47.8

Molt - vent + dors. A+B class

104 ♀ Erolia melanotos - ova - 1mm - Heavy Fat 75.1

105 ♀ Calcarius - ova <1mm - Light Fat 26.4

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29 July Barrow, Alaska

* 106 ♂ Erolia alpina Testis 2mm - Light Fat 52.8
molt vent. + dors (A+B stage) B.P. - B.ll 36 mm
107 ♀ " " ova <1 mm - very light Fat 57.2
* 108 ♀ Erolia melanotos - ova 1mm - Heavy Fat 69.9

30 July Barrow, Alaska
E-E-D/ E-0/D-½c
111 ♂ Calcarius - Testis 1mm - Light Fat 30.5

29 July Pitt Point (Pow), Alaska
112 ♂ J. Anser albifrons ? Testis 3mm No Fat 82.8

31 July Barrow, Alaska
E-E-3/5 c/D-0/D-½c
116 ♂ Calcarius Testis 1mm - Light Fat 26.6
No body molt Brood patch Bill 36 mm
117 ♀ Erolia alpina - ova - 1mm - Light Fat 55.8
B-P.
* 118 ♂ Erolia bairdii - Testis 3mm - Light Fat 35.8

1 August Barrow, Alaska
* 119 ♀ J. Erolia bairdii - ova - <1 - Very light Fat 35.6
* 120 Juv. " " 35.0
121 ♀ J. Phalaropus - ova <1 mm. No Fat 42.6
* 122 ♂ Erolia alpina - Testis ½ 2mm Light Fat 56.8
E-E-D/½c-0/D-D
125 ♂ Calcarius - Testis 1mm - Light Fat 28.3
E-E-D/0-0/~~3/5c-D~~ D-3/5c
126 ♂ " - Testis 1mm - No Fat 20.9
E-E-3/5c/1/3c-0/D-½c
127 ♂ " - Testis 1mm - Light Fat 29.2
E-E-3/5c/0-0/D-3/5c
128 ♀ " - ova <1mm - No fat 24.9
E-E-½c/B-0/D-1/3c
129 ♂ " - Testis 1mm - Light Fat 30.8
B.P. - molt.
* 130 ♀ Erolia alpina - ova <1 mm Light Fat 60.7
* 131 ♀ " " - ova - 1mm Light Fat 62.5
molt vent. + dors. (B+C stage)
132 ♀ Erolia melanotos - ova 1mm - Moderate Fat 61.2

2 August Barrow, Alaska
E-D-B/B-0/3/4C-A
no * 135 ♂ Calcarius Testis 1mm - Moderate Fat 29.4
E-E-3/4C/⅔c-0/E-2/3c
136 ♂ " Testis 1mm - Light Fat 29.6

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2 August Barrow, Alaska
* 137 ♀ I. Plectrophenax nivalis - ova <1mm - No Fat 29.9
138 ♂ Juv. " " - Testis 1mm - No Fat 34.4

3 August Barrow, Alaska
E-E-E / E-El - -
142 ♂ Calcarius Testis 2mm - Light Fat 26.6
143 ♀ Plectrophenax - ova <1mm - Light Fat 30.5

4 August Barrow, Alaska
144 ♀ Juv Phalaropus fulicarius - ova <1mm - Light Fat 39.6
145 ♂ " " " - Testis 1mm - Light Fat 43.8
146 ♀ " " " - ova <1 - Light Fat 48.4
molt - vent. + dors.
147 ♀ Erolia melanotos - ova <1 - Mod Fat 56.6
E-E-½c / E-⅓c / ⅔c
148 ♂ Calcarius - Testis 1.5mm Light Fat 26.1
E-E-E / E-E / E-E
149 ♂ " - Testis 1mm Light Fat 29.6
* 150 ♀ Juv. Erolia alpina - ova <1mm - Light Fat - 37.1
* 151 ♀ " " " - ova <1mm - Light Fat 51.8
Brood patch - no body molt
152 ♂ Ad. " " - Testis 3mm - Light Fat 49.1
wing molt almost complete
-parent of 150 + 151 - excited + caring for young
* 153 ♀ Erolia melanotos - ova 1mm - Moderate Fat 62.1

5 August Barrow, Alaska
molt - vent., dors., + cap.
154 ♀ Erolia melanotos - ova 1mm - Light Fat 60.8
E-E-½c / E-A / D-⅔c
155 ♂ Calcarius Testis 1mm - Light Fat 29.2
E-E-D / D-½c / E-D
156 ♂ " Testis 1mm - Light Fat 31.6
E-D⅘c / B-½c / E-⅓c
157 ♀ " ova <1mm - Light Fat 24.6
wing molt - almost compl.
164 ♂ Erolia alpina - Testis 2mm - Light Fat 57.8
* 165 ♀ " " ova 1mm - Light Fat 58.0
A.R. 166 ♂ " " Testis 2mm - Light Fat 55.5
167 ♂ " " Testis 2mm - Light Fat 54.7

The above 4 birds - taken from a flock at Nuwuk

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5 August Barrow, Alaska
168 ♀ Cepphus grylle - ova 2mm - Very light Fat 381.5 g
ARL - 169 ♀ " " ova 4mm - Light Fat 388.8 g
6 August Barrow, Alaska
170 ♂ Phalaropus fulicarius - Testis 1mm - Light Fat - 39.8
E-E-D/E-D/--
171 ♀ Calcarius - ova 1mm - Light Fat 27.1
ARL - 173 ♀ Erolia alpina - ova 1mm - Light Fat 55.9
174 ♀ Ereunetes pusillus - ova ≤1mm - Light Fat 22.5
175 ♂ Juv Erolia alpina - testis 1mm - Light Fat 48.4
176 ♂ Juv. " " - Testis 1mm - Light Fat 44.2
177 ♂ Ereunetes pusillus - Testis 1mm - very light Fat 20.0
7 August Barrow, Alaska
* 178 ♀ Juv. Erolia melanotos - ova ≤1mm - No Fat 38.5
molt - vent, dors cap - stage btc
179 ♀ Ad. " " - ova 1mm - Moderate Fat 69.6
180 ♂ Juv. Plectrophenax nivalis - Testis 1mm - Light Fat 28.0
181 ♂ Juv. Erolia alpina - Testis 2mm - very light Fat 45.6
* 182 ♂ " " " - Testis 2mm - very light Fat 49.3
9 August Barrow, Alaska
183 ♂ Imm Phalaropus fulicarius - Testis 2mm - Light Fat 44.6
184 ♂ Imm " " Testis 2mm - Light Fat - 41.5
* 185 ♂ Micropalama himantopus - Testis 2mm - Light Fat 55.4
10 August Pitt Point, Alaska
186 ♂ Juv. Erolia bairdii - Testis 1mm - Light Fat 30.4
11 August Pitt Point, Alaska
188 ♂ Calcarius - Testis 1mm - Light Fat 26.7
189 ♂ " Testis 1.5mm - Light Fat 25.8
190 ♂ " Testis 1mm - Light Fat 25.4
191 " Testis 1mm Light Fat 23.4

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11 August Pitt Point, Alaska

No wing or tail molt - comp.
192 ♀ Calcarius - ova <1mm - Light Fat 23.5
wing + tail molt compl.
193 ♂ " - Testis 1mm - Light Fat 28.4

12 August Pitt Point, Alaska

w + t molt compl.
196 ♂ Calcarius - Testis 1mm Light Fat 27.9
w + t molt compl.
197 ♂ " Testis 1mm Light Fat 24.6
w + t. molt compl.
198 ♂ " Testis 1mm No Fat 25.0
w. + t molt compl.
199 ♀ " ova <1mm Light Fat 24.5
w. + t. molt compl.
200 ♂ " Testis 1mm Light Fat 26.4
w + t. molt compl.
201 ♀ " ova <1mm Light Fat 25.6
w. + t. molt compl.
202 ♂ " Testes 1mm Light Fat 24.4
w + t. molt compl.
203 ♀ " ova <1mm Light Fat 23.1
w. + tail molt compl.
204 ♂ " Testis 1mm Light Fat 26.9
w + t. molt compl.
205 ♂ " Testis 1mm Light Fat 24.5

13 August Pitt Point, Alaska

no molt - compl.
207 ♂ Calcarius - Testis 2mm - Light Fat 25.3
no molt - compl.
208 ♂ " Testis 1.5mm - Light Fat 26.7
E-E-D/D-B/E-D
209 ♂ " Testis 1.5mm - Light Fat 29.3
no molt - compl.
210 ♂ " Testis 1mm - Light Fat 29.7
E-E-E/E-½c/E-E
212 ♂ " Testis 1mm - Moderate Fat 28.7
E-E-⅓c/D-A/D-⅔c
213 ♂ " Testis 1.5mm - Light Fat 29.1

14 August Pitt Point, Alaska

E-E-½c/⅔c-M/D-⅔c
215 ♂ Calcarius Testis 1mm Light Fat 24.1

15 August Pitt Point, Alaska

wing + tail molt compl.
218 ♂ Calcarius - Testes 1mm - Moderate Fat 28.9
wing + tail molt compl.
219 ♂ " Testis 1mm - Light Fat 27.7
no wing or tail molt
220 ♀ " - ova <1mm - Light Fat 25.9
221 ♂ Imm Phalaropus fulicarius - Testis <1mm Light Fat 36.6

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16 August Pitt Point, Alaska

E-E-D/E-B/E-D

223 ♂ Calcarius - Testis 1.3mm Light Fat 28.5
wing + tail molt compl.

224 ♂ " - Testis 1mm - Light Fat 24.3

18 August Barrow, Alaska

* 225 ♀ Juv. Erolia alpina - ova <1mm - No Fat - 35.5

19 August Barrow, Alaska

E-E-3/4C/D-A/E-3/4C

229 ♀ Calcarius - ova <1mm Light Fat 26.2

Juv. 1-24-62 * 230 ♀ Erolia melanotos ova <1mm - Moderate Fat 64.6
Brood patch - molting - wing + body 3/4 molt compl.

231 ♀ Erolia alpina - ova 1mm - Light Fat 65.7

232 ♀ Imm. Phalaropus fulicarius - ova <1mm - Light Fat - 48.6
wing + tail molt - compl.

233 ♀ Calcarius - ova <1mm - Light Fat 26.6
No molt (wing)

235 ♂ Limnodromus scolopaceus Testis 2mm. Moderate Fat 115.7
No wing molt. body molt (?)

236 ♂ " " - Testis 2mm Mod. Fat 108.6

237 ♀ " " - ova 1mm - Light Fat 110.0

238 ♂ " " - Testis 2mm - Mod. Fat 103.9

239 ♀ Limosa haemastica (?) - ova 1mm - Mod. Fat 290.2
molt - wing - vent, dors. + cap. Bill 38mm

240 ♀ Erolia alpina - ova < 1mm - Moderate Fat 74.1
molt - vent., dors., cap - Bill 35mm

241 ♂ Erolia alpina - Testis 2mm - Light Fat 61.6

* 242 ♂ Imm " " Testis 1mm - Light Fat 57.0
molt - vent., dors., + cap. Bill 32mm

243 ♂ Imm. " " - Testis 1.5mm - Light Fat 58.4

* 244 ♀ Ad " " - ova 1mm - Moderate Fat 69.9

245 ♀ Erolia melanotos - ova <1mm - Mod. Fat 71.3

20 August Barrow, Alaska

wing + tail molt compl.

246 ♂ Calcarius - Testis 1mm - Light Fat 26.2
Wing + tail molt compl.

247 ♀ " - ova <1mm - Moderate Fat 29.8
E-E 4/5C/E-3/4C/E-4/5C

248 ♀ " - ova <1mm - Light Fat 28.5
wing + tail molt compl.

249 ♂ " - Testis <1mm - No Fat 25.0
wing + tail molt - compl.

252 ♂ " - Testis 1mm - Light Fat 23.5

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20 August Barrow, Alaska

wing + tail molt - compl.
253 ♂ Calcarius - Testis 1mm - Moderate Fat 29.9
wing + tail molt - compl.
254 ♂ " - Testis <1mm - Light Fat 33.6
wing + tail molt - compl.
255 ♂ " - Testis 1mm - Light Fat 22.9
wing + tail molt compl.
256 ♂ " - Testis 1mm - Light Fat 31.3
wing + tail molt compl.
257 ♂ " Testis <1mm - Light Fat 28.1
wing + tail molt - compl.
258 ♂ " - Testis 1mm - Light Fat 27.6

21 August Barrow, Alaska

wing + tail molt - compl.
259 ♀ Calcarius - ova <1mm - Light Fat 25.5
wing + tail molt - compl.
260 ♂ " - Testis <1mm - Light Fat 27.7
wing + tail molt compl.
261 ♂ " - Testis 1mm - Light Fat 28.3
wing + tail molt - compl.
262 ♂ " - Testis 1mm - Light Fat 28.0
268 ♀ Imm. Phalaropus fulicarius - ova <1mm - Light Fat 36.1
molt - vent., dors., r cap.
269 ♀ I. Erolia melanotos - ova 1mm - Mod. Fat 73.9
no molt
270 ♀ Imm " " - ova <1mm - Mod. Fat 75.6
No molt
271 ♀ Imm " " Ova <1mm - Heavy Fat 71.5
272 ♀ " " - ova <1mm Heavy Fat 66.0
no molt
273 ♀ Imm. Ereunetes pusillus - ova <1mm - very light Fat 21.9
wing + tail molt - compl.
274 ♂ Calcarius - Testis 1mm - Light Fat 31.9
wing + tail molt - compl.
275 ♂ " - Testis 1mm - Mod. Fat 31.2
wing + tail molt - compl.
276 ♀ " - ova <1mm - Light Fat 28.6
* 277 ♀ Erolia fuscicollis - ova 1mm - Light Fat 37.7

22 August Barrow, Alaska

wing + tail molt - compl.
282 ♂ Calcarius - Testis 1mm - Heavy Fat 32.0
Bill - 33.5
283 ♂ Imm Erolia alpina - Testis 1mm - Light Fat 48.2

23 August Barrow, Alaska

~~65.~~
molt - vent. + dors. B+C Bill 35mm
297 ♀ Imm. Erolia alpina - ova <1mm Heavy Fat 65.4
* 298 ♀ Ad " " - ova 1mm Heavy Fat 76.8

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23 August Barrow, Alaska

* 299 ♀ Erolia melanotos - ova <1mm - Moderate Fat - 64.1

* 300 ♀ Erolia bairdii - ova <1mm - Moderate Fat 42.6

molt - vent., dors., + cap - Bill - 36 mm

301 ♂ Erolia alpina - Testis 1.5 - Light Fat 60.1

no molt

302 ♂ Ereunetes pusillus - Testis 1mm - Light Fat 21.7

24 August Barrow, Alaska

No molt

307 ♂ I. Erolia melanotos - Testis 1mm - mod. Fat 69.0

no wing or tail molt

308 ♂ Calcarius - Testis 1mm. Light Fat 31.0

no wing or tail molt

316 ♀ " - ova <1mm - Light Fat 24.6

no wing or tail molt

317 ♂ Calcarius - Testis 1mm. Light Fat. 30.5

25 August Barrow, Alaska

wing + tail molt - compl.

336 ♂ Calcarius - Testis 2mm - Light Fat 30.2

26 August Barrow, Alaska

Bill 38 mm

337 ♂ Imm. Erolia alpina - Testis 1mm - Light Fat - 57.2

No molt

338 ♂ Imm. Erolia melanotos - testis 2mm - Heavy Fat 75.7

No molt

339 ♂ Imm " " - Testis 2mm - Mod. Fat 68.4

No molt

340 Imm " " - Testis 2mm - Heavy Fat 79.5

338 - 339 - 340 - from - flock of 7 birds

Bill 36

345 ♀ Imm. Erolia alpina - ova 1mm - Light Fat 61.1

dorsal molt - Bill - 37 mm

346 ♀ Imm Erolia alpina - ova 1mm. Light Fat 56.1

dorsal molt

347 ♂ Imm. Phalaropus fulicarius - Testis 1.5 mm. Light Fat 41.8

27 August Barrow, Alaska

No molt

366 ♀ Imm. Erolia melanotos - ova <1mm Heavy Fat 62.3

* 367 ♀ Erolia alpina - ova 1mm - Light Fat 56.6

molt. vent. + dors. Bill - 38 mm

368 ♀ Imm. " " - ova <1mm - No Fat 35.6

Bill - 32.5

369 ♂ Imm " " - Testis 1.5mm Light Fat 53.6

no wing or tail molt

387 ♂ Calcarius - Testis 1mm - Moderate Fat 35.4

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28 August Barrow, Alaska

* 388 ♂ Imm. Crocethia alba · Testes 1.5. Light Fat 50.1

31 August Barrow, Alaska

445 ♂ Imm. Erolia melanotos - No molt - Testis 2mm. Heavy Fat 90.1

557 ~~445~~ ♀ " " " No molt - Ova < 1mm. Mod. Fat 52.6

8 August Umiat, Alaska ~~20.2~~

* 469 ♂ Imm. Luscinia svecica - Testis 1mm - body molt - No Fat 20.2

Collected in trapline T-3 - 9.8 - by Merle Solomon (and went 8 days in Umiat without freezing).

498 ♂ ? body + wing molt Testis 1mm - Light Fat 16.4

19 July Barrow, Alaska

499 ♀ Calif. Gray Whale, Eschrichtius gibbosus, shot 10 mi off Barrow + brought to shore. 48' feet long. - Lactating. Barnacles and "Lice" were collected

2 Sept. Barrow, Alaska

525 ♂ Juv. Plectrophenax nivalis - Testis 1mm - Vent. + dors. molt - Mod. Fat 35.1

526 ♀ Juv. " " No molt - ova < 1mm - Light Fat 28.1

9 August Barrow, Alaska

569 ♀ Imm. Erolia melanotos - molt vent. + dors. - ova < 1mm - Mod. Fat 69.1

570 ♀ Imm. " " dors. molt - ova < 1mm - Mod. Fat 61.2

571 ♂ Imm " " - testis 1mm. Heavy Fat 63.2

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27 March Brooks, Island, Contra Costa Co, California

584 ♀ Squatorola squatorola - ova 1mm 209.2g
- light fat - no molt

585 " " 225.0g

skin 586 ♀ Erolia minutilla - ova < 1mm - no fat - 22.2g

587 ♂ " " - ? - no fat - start. molt. Bill 16mm 21.2g

588 ♂ " " Testis 2mm - light fat - molting bill - 17mm 21.7g

589 ♂ " " Testis 2mm - No fat 21.6g

6 April Albany, Alameda Co., California

590 ♂ Limnodromus griseus - Testis - 6×2 128.9g
heavy fat - molting

591 ♂ " " Testis 5×2mm - 126.6g
heavy fat molting

592 ♂ " " Testis - 5×2mm - 136.6g
Moderate Fat - molting

593 ♀ " " ova 1mm - 130.9g
heavy fat + molting

594 ♂ " " testis 5×2mm 120.9g
heavy fat and molt

595 ♂ " " Testis 5×2mm 131.6g
Heavy fat + molt

596 ♂ " " Testis 5×2mm 129.4
Heavy fat and molt

597 ? " " Heavy fat and molt 127.0

598 ♂ " " Testis 5×2mm 137.6
Heavy fat and molt

2 ✓

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6 April Albany, Alameda Co., California

599 ♀ Limnodromus griseus - ova 1.5mm - 127.3g
Heavy fat - light breast molt

600 ♂ Catoptrophorus semipalmatus Testis 13x5mm 346.0g
Heavy fat · Heavy molt

601 ♀ " " ova 3mm 385.9g (just beginning)
Heavy fat - light molt

back molt
602 ♀ Ereunetes mauri - ova 1mm - mod. fat · 37.2g
molting
603 ♂ " " -Testis 2mm - light fat - 23.3g
molting
604 ♀ " " - ova <1mm - Light fat 30.5g
molting
605 ♂ " " - testis 2mm · Light fat · 26.2g
molting
606 ♀ " " - ova 1mm · Light fat 30.7g
molting
607 ♀ " " - ova 1mm · Light fat 34.0g
molting
608 ♀ " " - ova <1mm · No fat · 32.1
609 ♂ " " · Testis 3mm - Mod. fat 28.7g
610 ♂ " " - Testis 2mm - Heavy Fat 32.8g
611 ♂ Limnodromus griseus - Testis 6x2mm - Very fat · 134.7g
Bill·21mm molt
612 ♂ Ereunetes mauri - Testis 1mm - mod fat 28.2g
Bill·26mm
613 ♀ " " - ova 1mm - light fat - molt 24.8g
Bill·22mm - molt.
614 ♂ " " - Testes 2mm · mod. fat - 28.7g
Bill 22mm molt
615 ♂ " " - Testis 1mm - Light fat 25.7g
Bill 29mm - molt
616 ♀ " " - ova 1mm - mod fat 30.0g
Bill 23m molt
617 ♂ " " - Testis 2mm · Light fat 25.8g
Bill 22mm molt
618 ♂ " " - Testis 3mm - mod fat 24.4g
Bill·26mm molt
619 ♀ " " - ova - 1mm - mod fat 29.1g
Bill·21mm molt
620 ♂ " " - Testis 2mm · light fat 28.1g
Bill·22mm molt
621 ♂ " " Tes. - 2mm light fat - 22.8g
Bill·23mm molt
622 ♂ " " Tes. 3mm - mod fat 28.3g

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6 April Albany, Alameda Co., Calif.

	No.	Sex	Species		Notes	Weight
	623	♂	Ereunetes	mauri	- Testis 2 mm - Mod. fat (molt - Bill - 21mm)	30.4 g
	624	♂	"	"	- Testis 3 mm - Heavy fat (molt Bill - 22mm)	30.4 g
	625	♀	"	"	- ova <1mm - Light fat (molt bill - 28mm)	29.2 g
skin	626	♂	"	"	- Testis 2mm - Mod. fat (molt)	34.8 g
	627	♂	"	"	- Testis 2mm - Heavy fat (molt. - Bill 20.0mm)	28.4
	628	♀	"	"	- ova 1mm - Heavy fat (molt Bill 25.0mm)	31.1
skin	629	♀	Erolia	alpina	- ova <1mm - light fat (molt)	58.1 g
skin	630	♂	"	"	- Testis 3mm - mod. fat (molt)	58.0 g
	631	♂	"	"	- Testis 2mm - mod. fat (½ molted - Bill 38mm)	52.7 g

~~632~~

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28 May Barrow, Alaska
632 ♂ Erolia melanotos - Testis 12mm - Heavy Fat - 104.7 g
633 ♀ " " - ova 4mm - mod Fat - 59.1 g
29 May Barrow, Alaska
634 ♂ Erolia alpina - Testis 14x8mm - Light fat 61.9 g
31 May Barrow, Alaska
635 ♂ Erolia melanotos - Testis 10x7mm - mod fat. 102.7 g
- lone indiv near Elson Lagoon - Bill - 31mm
636 ♂ Ereunetes pusillus - Testis - 7x4mm - mod fat 25.4 g
1 June Barrow, Alaska
637 ♂ Erolia alpina Testis 11x7mm - mod fat - 62.7 g
638 ♂ Erolia melanotos - Testis 12x8mm - mod. fat 100.6
639 ♂ " " - Testis 13x8mm - Heavy fat bill - 29mm 115.2
2 June
640 ♂ Arenaria interpres - Testis 10x5mm - Heavy fat 108.6
3 June Barrow, Alaska
641 ♂ Erolia alpina - Testis 12x7mm - mod Fat 52.7
when collected, ♀ deserted.
642 ♂ Erolia alpina - Te. 9x5mm - not paired - Heavy Fat 56.3
643 ♂ Erolia alpina - Te 10x5mm - mod fat - 55.1
644 ♂ Erolia alpina - Tes. 9x5mm - bill 31mm - mod fat - 46.7
6 June Barrow, Alaska
645 ♂ Erolia alpina - Test. 10x6mm - bill - 34mm mod fat 55.2
646 ♀ Erolia alpina - ova 4mm - bill - 35 mm light fat 57.2
647 ♂ " " - Test. 8x4mm - light fat - 52.4
648 ♀ " " - ova - 7mm - mod. fat (bill - 34mm) 69.1
- paired with 647
649 ♀ Erolia alpina - ova 5mm - bill - 35mm Mod. fat 62.9
650 ♂ " " - Test. 11x7mm - mod. fat 51.4
Paired with 649

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7 June Barrow, Alaska

651 ♀ Erolia melanotos - ova 5mm - Mod. fat - 64.3
652 ♀ " " - ova 4mm - light fat 60.3
651+652 in flock of 6 ♀♀ in central marsh
bill 34mm
653 ♂ Erolia alpina - test. 9x5mm - mod. fat - 56.5
- collected from group of 3 indiv. (sexes?) - no aggress. behav.
bill 38mm
654 ♀ Erolia alpina - ova 6mm - light fat - 67.4
655 ♂ " " - Test. 10x6mm - Mod. fat 62.7
654-655 collected along ponds near Elson lagoon

8 June Barrow, Alaska

656 ♂ Ereunetes pusillus - Testis 7x4mm - Mod. fat 24.9
Bill 38mm
657 ♀ Erolia alpina - ova 14mm - mod fat - 67.6
bill 34mm
658 ♀ " " - ova 5mm - mod fat 58.6

9 June Barrow, Alaska

659 ♀ Erolia melanotos - ova 4mm - Heavy fat - 66.1
660 ♀ " " - ova 7.5mm - mod. fat - 62.9
661 ♂ Erolia alpina - Testis 12x7mm - Light fat - 57.1

10 June Barrow, Alaska

bill - 32mm
662 ♂ Erolia alpina - Testis 9x5mm - Light fat 50.6
bill - 37mm
663 ♀ " " - ova 14mm - mod. fat 71.6
bill 32mm
664 ♂ " " - Testis 9x6 - very light fat 53.0
bill - 35mm
665 ♂ " " - Testis 10x6 - light fat 49.9
666 ♀ " " - ova 7mm - mod. fat - bill 35mm - 60.0
bill - 23mm
667 ♂ Erolia bairdi - Testis 7x3mm - mod. fat 34.8

12 June Barrow, Alaska

bill 29mm
668 ♀ Erolia melanotos - ova 6mm - mod. fat 70.9
bill - 27mm
669 ♀ " " - ova 10mm - mod. fat 68.4
Both of the above ♀♀ - feeding near each other

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12 June Barrow, Alaska

670 ♀ Erolia alpina - 1 completed egg in oviduct - bill 35mm / 1 other follicle / 1 ovum broken · 1 ovum - 13mm - mod fat 80.7

671 ♀ " " - 1 partially compl. egg in oviduct bill 38mm / 1 ovum (large) broken / ova - 13, 6, 4 mm - mod. fat 92.1

13 June Barrow, Alaska

672 ♂ Erolia bairdi - Testis 11 x 4mm - Heavy Fat - 41.6

14 June Barrow, Alaska

673 ♀ Erolia alpina - brood patch / 1 follicle, ova 11mm · mod. fat 80.4

15 June Barrow, Alaska

674 ♀ Erolia melanotos - 2 follicle (1 egg in oviduct) / largest ova - 21mm - next 7mm - brood patch / Light Fat - 89.1

16 June Barrow, Alaska

675 ♂ Erolia bairdi - Testis 10 X 5 mm - brood patch ? - Mod. fat - 38.8

26 June Barrow, Alaska

676 ♀ Arenaria interpres - 1 rupt. follicle / 3 ova - 23mm, 17mm, 7mm - Light fat - bill · 28mm - 125.5

677 ♂ Erolia melanotos - Testis 12 X 6mm - light fat - 74.8

678 ♂ " " - bill - 27mm - Testis 10 X 5mm - light fat 89.5

679 ♂ " " - bill - 27mm - Testis 12 X 5mm mod. fat 90.0

680 ♂ " " - bill - 28mm - Testis 12.5 x 6mm - mod fat 99.1

681 ♂ " " - bill - 29mm - Testis 14 X 6 mm - mod fat - 103.5

677 - taken from group of 2 ♂♂ feeding east of B.R.

678 thru 681 taken from group of ~25 feeding along Wohl. Slough at So. end of Central Marsh

682 ♂ Erolia alpina - wing molt - bill 34mm - Testis 7 X 3mm - mod. fat 56.0

683 ♂ " " - wing molt - bill - 31mm - brood patch - Testes 9 X 4mm - Light fat 51.7

684 ♂ " " - wing molt - bill · 32mm - brood patch - Testis 8 X 4mm - mod fat - 61.7

685 ♀ " " - clutch completed - bill · 35mm - ova 4mm · light fat - brood patch 57.8

686 ♀ Arenaria interpres - 26mm ovum in oviduct - brood patch distinct - ova - 17mm - Light fat - 124.7

687 ♀ Erolia melanotos - 1 follicle evident - oviduct regressing - brood patch - ova up to 4mm - mod. fat 68.3

688 ♂ " " - Testis 9 X 5mm - light fat 91.8

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26 June Barrow, Alaska

689 ♂ Ereunetes pusillus - Testis 6x3mm - mod fat 23.8g (brood patch evident - bill 17mm)
690 ♂ " " - Testis 6x4mm - light fat - 28.6 (brood patch bill - 18mm -)
691 ♀ " " 2 ovum 14+11 - light fat 43.8 (1 egg laid, 1 in oviduct - brood patch - bill 20mm)

30 June Ikroavik, Alaska

692 ♀ Arctonetta fischeri - ova minute - light fat 1398.3g (stomach saved)

29 June Wainright, Alaska

693 ♀ Erolia alpina - ova 2mm - mod. fat - 53.3g (bill 35mm - brood patch - wing molt)

30 June Wainright, Alaska

694 ♂ Erolia alpina - Testis 4mm - mod fat 51.8 (brood patch - wing molt bill 33mm)

30 June Wainright, Alaska

695 ♂ Erolia alpina - Testis 6mm - light fat - 46.8 (brood patch - wing molt - bill 32mm)

30 June Wainright, Alaska

696 ♀ Erolia melanotos - ova 3mm - mod fat - 60.3 (brood patch - bill 26mm)

4 July Barrow, Alaska

697 ♂ Crocethia alba - Testis 12mm - moderate fat 48.7 (bill - 22mm - no broodpatch)

found dead at SW end of camp by D. Mullien

5 July Barrow, Alaska

698 ♀ Erolia bairdi - ova 1mm - moderate fat 50.1 (brood patch bill - 23mm)
699 ♂ T. Arenaria interpres - Testis 1mm - no fat 43.2
700 ♀ Erolia alpina - ova 2mm - moderate fat - 67.2 (brood patch)

6 July Barrow, Alaska

701 ♂ Erolia alpina - Testis 6X2mm - light fat 54.3 (wing molt - brood patch)
702 ♂ Erolia melanotos - Testis 8mm - light fat - 86.7g

7 July Barrow, Alaska

703 ♂ Hirundo rustica - Testis 8x5mm - light fat 20.6g
\# 704 ♂ Erolia melanotos - Testis 5mm - Heavy Fat 93.3g (back + breast molt)

- taken in Central Marsh

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6 July Barrow, Alaska

705 ♀ Erolia melanotos - ova 1mm · mod. fat · brood patch - body molt 78.3g
706 ♂ " " - Testis 5x3mm · Heavy fat · molt 96.7
707 ♂ " " - Testis 4x2mm - mod. fat · d.&v., molt - bill - 26 mm 98.6
708 ♀ " " - ova <1mm - mod fat - regress. br. patch - 1 or 2 rupt. follicles evident - body molt - 66.2
709 ♂ " " - Testis 4mm - light fat - 83.5
710 ♀ " " - ova 4, 3, 2, <1mm - light fat · dors. molt only - brood patch? 55.1

702 and # 705 - 710 collected from a flock of 35 birds in Voth's Slough

10 July Barrow, Alaska

711 ♂ Juv. Erolia bairdi - Testis minute - no fat - 7.7

11 July Barrow, Alaska

712 ♂ Erolia bairdi - Testis 3mm - mod. fat · brood patch · bill - 21.5mm - body molt 45.9
713 ♀ Ereunetes pusillus - ova <1mm · 4 follicles evident · bill 18mm · Heavy fat 37.7
brood patch feathering - caught in trap

13 July ~~Erolia mela~~ Barrow, Alaska

from flock of 30 in cent. marsh:
714 ♂ Erolia melanotos - Testis 5mm - moderate fat - heavy dors. + vent. molt · bill 27mm 95.8
715 ♀ " " - ova 1mm · moderate fat · 1 follicle? · d.+v. molt · brood patch feathering 64.9
716 ♂ " " - Testis 6x3mm · Heavy fat · body molt 101.9
717 ♂ " " - Testis 4x2mm - moderate fat · body molt - 88.4
718 ♀ " " - ova 1.5mm - mod. fat - bill 27mm · 2 follicles (rupt) evident · brood patch - dors. & vent. molt - 67.2
719 ♀ " " - ova 1mm - mod fat - bill 26mm · ~~luteal?~~ - brood patch - dors molt - just beginning - 54.1
720 ♂ " " - Testis 4x2mm · mod. fat · body molt 92.3

14 July Barrow, Alaska

721 ♂ Juv. Erolia alpina - Testis 1mm - No fat 28.5
722 ♂ Juv " " " <1mm " " 22.4
723 ♂ Juv " " " 1mm " " 20.0
724 ♀ Juv. Erolia melanotos - ova <1mm - " " · nestling? 9.1

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14 July Barrow, Alaska

brood patch
725 ♀ *Erolia alpina* - ova 1mm - light fat 61.5

brood patch
ARL 726 ♀ " " - ova 1mm - light fat 60.4

725 + 726 were flying together No. of Ft. point Lake when collect.

brood patch bill - 36m - wing molt only
727 ♀ *Erolia alpina* - ova 1mm - light fat 56.8

728 ♂ Juv. " " - Testis 1mm - No fat 21.6

15 July Barrow, Alaska

ARL 729 ♂ Juv. *Erolia melanotos* - Testis 1mm - no fat - 24.9

16 July Barrow, Alaska

Juv. only stomach saved
730 ♀? *Arenaria interpres* - ova ? - No fat - 12.5g

17 July Barrow, Alaska - [illegible]

wing + tail molt
731 ♂ *Erolia alpina* - Testis 4x2mm - Light fat. 51.5g

ARL 732 ♀ Juv " " - ova <1mm - no fat 26.8g

only stomach saved.
733 ♀ Juv. Erolia melanotos - ova <1mm - no fat 7.7g

18 July Barrow, Alaska

brood patch - body molt
734 ♀ *Erolia melanotos* - ova 1mm - mod. fat - 59.4

brood patch - body molt
C.M. 735 ♀ " " - ova 1mm - mod. fat 66.8

736 ♀ " " - ova 1mm - light fat ?

737 ♀ Erolia alpina - ova 1.5mm - light fat 62.5

738 ♂ Juv " " - Testis 1mm - very light fat - 32.1

ARL 739 ♂ " " " " " - No fat 27.3

19 July Barrow, Alaska

dors. + vent. molt
740 ♂ *Erolia melanotos* - Testis 5x2mm - Light fat 101.8

brood patch - dors. + vent. molt
741 ♀ " " - ova 1mm - light fat 53.2

brood patch - molt
742 ♀ " " - ova 1mm - heavy fat - 71.1g

743 ♂ " " - Testis 4mm - Heavy fat - 101.5g

brood patch - molt
744 ♀ " " - ova 1mm - light fat - 60.0

body molt
745 ♀ " " - ova 1mm - light fat 68.1

Above 6 from [illegible] of 15 m [illegible]

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19 July Barrow, Alaska

Family group w ... (746–748)

746 ♂ Erolia alpina - Testis 3x1mm - Light fat [brood patch · wing molt nearing completion] 50.7
747 ♂ Juv. " " - Testis 1mm - no fat 36.0
748 ♀ Juv. " " - ova <1mm - very light fat 39.5
749 ♀ Juv. Erolia melanotos - ova <1mm - very light fat - 42.7
750 ♂? Juv. " " - testis ? - very light fat 50.6
751 Juv. " bairdi 6.6 g
752 ♂ Erolia bairdi - Testis 2x1mm - light fat - [brood patch - molt] 37.4 g
753 ♂ Juv. Erolia ~~alpina~~ Testis 1mm - no fat 31.9 g
754 ♂ Juv Erolia alpina - Testis 1mm - no fat 23.7 g
755 ♂ Erolia bairdi - Testis 3mm - light fat - [attending chicks - stom. only] 36.0 g
756 ♂ Juv. Phalaropus fulicarius - Testis <1mm - no fat 9.5 g
757 ♂ Juv. " " - Testis 1.5mm no fat 28.4 g

20 July Barrow, Alaska

758 ♀ Juv. Ereunetes pusillus - ova <1mm - no fat - 15.0 g
759 ♂ Juv. " " - testis 1mm - no fat - 14.3 g
760 ♂ Juv. Erolia melanotos - testis 1mm - no fat 16.3
761 ♂ Juv. " " - Testis 1.5mm - very light fat - 44.3
762 ♀ Juv " " - ova <1mm - no fat - 44.7
763 ♂? Juv Erolia bairdi - no fat 10.0

22 July Barrow, Alaska

764 ♂ Charadrius vociferous - Testis 3x1mm - light fat · [body + wing molt + tail molt] 93.1
765 ♂ Erolia bairdi - Testis 2mm - light fat [body molt - brood patch] 34.8
766 ♀? Juv. " " - ova <1mm - no fat 22.4
767 ♀? Juv. " " - ova <1mm? - no fat 23.9
768 ♂ Juv " " - Testis 1mm - no fat 35.0

765-67 - family group (entire)
768 - flying individual

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23 July Barrow, Alaska
769 ♂ Juv. Erolia bairdi - Testis <1mm. no fat - 8.7g
25 July Barrow, Alaska
ARL 770 ♀? Juv. Erolia bairdi - ova? <1mm - no fat 11.4g
brood patch. body molt
771 ♂ " " - Testis 2X1mm. light fat 34.5g
772 ♂ Juv. " " - Testis 1mm - no fat 27.1g
771+772 - collected together in Voth's marsh. 771 - doing distraction display
773 ♂ Juv. Pluvialis dominica - Testis 1.5mm. no fat 22.1g
774 ♀ Juv. Phalaropus fulicarius - ova <1mm - no fat 21.8g
775 ♂ Juv. Erolia melanotos - Testis 1.5mm - very light fat 33.9
26 July Barrow, Alaska
776 ♀ Juv. Xema sabini - ova <1mm - mod. fat - 151.4g
777 ♂ Juv. Phalaropus fulicarius - T. <1mm - no fat - 9.5g
778 ♀? Juv. Erolia melanotos - o. <1mm - no fat 8.6g
779 ♂ Juv " bairdi - Testis 1mm - no fat 26.3g
780 ? Juv " " ? — no fat 11.9g
781 ? Juv. " alpina - — no fat 7.5g
ARL 782 ♀ Juv " " ova <1mm - no fat 28.1
783 ♀? Juv " " — no fat 36.6
784 ♂ Juv " " - Testis 1mm - no fat 24.2
785 ♀ Juv " " - ova <1mm - no fat 33.3
27 22 July Barrow, Alaska - C. marsh
brood patch
786 ♂ Erolia alpina - Testis 3mm - light fat - 52.0
28 July Barrow, Alaska - N. Voth
787 ♀ Juv. Phalaropus fulicarius - ova <1mm - no fat - 19.2
brood patch - dors. molt - no vent. molt
788 ♂ Erolia alpina - Testis 3mm light fat 50.6
789 ♀ Juv. " " - ova <1mm - light fat - 52.5g
788+789 - members of a family group of 3 young + 2 Adults.

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28 July Barrow, Alaska - [illegible]

790 ♂ Juv. Erolia alpina - Testis 1mm - light fat - bill 25mm - 49.5g

791 ♀ " " " - ova 1mm - light fat - 48.4g

792 ♀ " " " - ova 1mm - light fat - 50.8g

ARL 793 ♀ Ad. " " - ova 2mm - brood patch - light fat 57.4g - in N. Voth Area

793 - 1 of 2 Ads - with 3 flying juveniles (790-791-792)

794 ♀ Juv. Erolia alpina - ova <1mm - light fat - 40.5g

29 July Barrow, Alaska (E. B. Ridge)

795 ♂ Erolia alpina - Testes 3x1mm - brood patch - very light fat 52.3

796 ♂ Juv. " " - Testes 1mm - very light fat - 50.2

ARL 797 ♀ Juv. " " - ova <1mm - very light fat - 51.1

795 seen with 4 Juv's (incl. 796-797) - e. of B. Ridge

798 ♂? Juv. Erolia alpina - Testes ? - 1mm - very light fat - molt - 52.4

ARL 799 ♂ Ereunetes pusillus - Testes 2x1mm - brood patch - light fat - 22.5 (freshwater lagoon)

800 ♀ Imm Arenaria interpres - ova <1mm - light fat 102.6g

30 July Barrow, Alaska (No. Voth Area)

801 ♀ Erolia alpina - ova 1mm - light fat - no body molt = wing molt near completed - brood patch) 57.2

802 ♀ Juv " " - ova <1mm - no fat - 49.4

801 + 802 collected No. of Voth's Area - but not together

ARL 803 ♀? Juv. Ereunetes pusillus - —— - no fat 19.9

804 ♀ Arenaria interpres - ova 1mm - light fat 87.0g

805 ? Pluvialis dominica —— —— 32.0g

19 July Barrow, Alaska - (Voth marsh)

ARL 806 ♀ Erolia melanotos - brood patch - ova 1mm - dors. + vent. molt - mod. fat 70.0

2 August Barrow, Alaska (fresh lagoon)

807 ♂ Ad. Erolia melanotos - Testis 3x1mm - light fat 77.5

808 ♀ " " - bill - 27mm - ova 1mm - no molt - Moderate fat 67.8

FT PRINT LAKE 809 ♂ Juv ? " - testis 2x1mm - no molt - mod. fat 77.4

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2 August Barrow, Alaska

- brood patch   dors. + vent. molt
810 ♀ Erolia melanotos - ova 1mm - mod fat. 65.0
brood patch. molting   - dors. + vent. molt
811 ♀ " " . ova 1mm - Heavy fat 70.4
dors. molt.   no brood patch
812 ♂ Ereunetes pusillus - Testis 1X½mm - light fat 23.2
no molt
813 ♀ " " - ova <1mm - light fat 21.6
no molt
814 ♂ " " - Testis <1mm - mod fat 25.7
815 ♀ " " - ova <1mm - mod. fat 27.2
816 ♀? " " - ova? <1mm - mod fat 25.1
817 ♂ Juv. Arenaria interpres - T. 1.5mm - no fat - 68.6
brood patch - no molt
818 ♀ Erolia bairdi - ova 1mm - moderate fat - 42.2
brood patch   body molt   bill - 24mm
819 ♂ " " - Testes 3X1mm - light fat - 30.9
ARL 820 ♂ Juv. " " Testis <1mm — no fat 25.6
821 ♀ Juv. " " ova <1mm - no fat 24.3

819-820-821 - part of a family group. (The only ones seen -

24 July Barrow (Deadman's Island), Alaska

822 ? Juv. Sterna paradisea - — - very light fat - 52.0

6 ~~July~~ August Barrow, Alaska

823 ♂ Juv. Erolia melanotos - Testis 1mm - no fat - - 23.4
flying
824 ♀ Juv. " " - ova <1mm - light fat - 51.1g
825 ? Juv Ereunetes pusillus - — - no fat 19.9 g
dors. + vent. molt   bill - 36mm
826 ♀ Erolia alpina - ova 1mm - light fat 60.2
dors. + vent. molt   bill - 31mm
827 ♂ " " - Testes 2X1mm - light fat - 58.9
d + v. molt   bill 37mm
828 ♀ " " - ova 1mm - light fat. 64.5
ARL 829 ♂ " " - Testis 2X1mm - light fat - d. + v. + tail molt 55.5
830 ♂ " " Testes 3X1mm - light fat 54.9
d. + v. molt   - brood patch
831 ♂ " " - Testis 2X1mm - light fat 55.6

all of the above E. alpina had brood patches which were being invaded by feathers

Holmes, R
1960

Catalog

7 August Barrow, Alaska
832 ♀ Juv. *Ereunetes pusillus* flying - ova <1mm - no fat 21.8
8 August Barrow, Alaska
833 ♂ Juv. *Ereunetes pusillus* - T- <1mm - very light fat 21.9
834 ♀ Juv. *Erolia melanotos* - ova <1mm - light fat - 52.2
9 August Barrow, Alaska
835 ♀ Juv. *Polysticta stellari* - ova <1mm - no fat 37.4
836 ♀ " " " 27.4
837 " " " 36.2
w. HACS 838 " " "
839 " " "
840 " " "
11 August Barrow, Alaska
841 ♂ Juv. *Erolia melanotos* - Testis 1 x ½ mm - mod. fat 80.8g
842 ♀ " " " - ova <1mm - mod. fat - 66.2g
12 August Barrow, Alaska
BR 843 ♀ Juv. *Erolia bairdi* - ova <1mm - light fat - 40.2
CM 844 ♂ Juv. *Ereunetes mauri* Testis 2mm - No fat 24.0
B.R. 845 ♀ Juv. Erolia alpina - ova <1mm - no fat - 52.7
846 ♀ Juv. " bairdi - ova <1mm - no fat 28.3
13 August Barrow, Alaska ~~28.3~~
C.M. 847 ♀ Juv. *Ereunetes mauri* - ova <1mm - no fat 24.2g
848 ♂ Juv. " " - Testis 1mm - no fat - 25.4g
849 ♀ Juv " " - ova <1mm - light fat - 24.2g
14 August Barrow, Alaska
B.R. - 850 ♀ Juv. *Erolia bairdi* - ova <1mm - no fat 33.0

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Catalog

21 aug Barrow, Alaska

851 ♀ Juv. Erolia melanotos - ova <1mm - light fat 52.2 (no molt)
852 ♀ " " bairdi - ova <1mm - light fat 40.8 (no molt)
853 ♀ Juv. Erolia alpina - ova 1mm - mod. fat 72.4 (dors. + vent. molt)
854 ♀ " " " - ova <1mm - light fat 50? (bill - 34mm - d. + v. molt)
855 ♂ " " " - Testis 1mm - light fat 56.3 (d. + v. molt)
856 ♀ " " " - ova <1mm - light fat 58.2 (d. + v. molt)

25 aug Barrow, Alaska

857 ♂ Tryngites subruficollis - Testis 2.5mm - no fat - 56.5

13 aug Barrow, Alaska

858 ♂ Erolia alpina - Testis 3mm - light fat - 54.3 (wing molt compl. - body near compl. - bill 32mm)
859 ♂ Juv. " melanotos - Testis 1mm - no fat - 51.1 (no molt)

26 aug Barrow, Alaska

860 ♂ Juv. Erolia alpina - Testis 1mm - light fat 68.5
861 ♀ Juv. Limnodromus scolopaceus - ova 1mm - heavy fat - 161.7 (bill 74mm)

7 aug Barrow, Alaska

862 ♂ Dicrostonyx groenlandicus 123-14-16-4 - no fat 43.2g

29 aug Barrow, Alaska

863 ♂ Juv. Erolia melanotos - Testis 1.5mm - mod. fat 70.8g (no molt)
864 ♀ " " " ova < 1mm - no fat 49.0g (molt on rump + center of breast - adventitious ?)
865 ♂ " " " - Testis 2mm - light fat - 68.0 (no molt)

30 aug Barrow, Alaska - C.M.

866 ♂ Juv. Erolia melanotos - Testis 2mm - very light fat - 61.1g (no molt)
867 ♂ " " " - Testis 2mm - mod fat 83.8 (no molt)
868 ♀ " " " - ova <1mm - very light fat 54.2 (no molt)
869 ♂ " " " - Testis 1.5mm - mod fat 73.2 (no molt)
870 ♂ " " " - " 1.5m " " 84.3 (no molt)
871 ♂ " " " " 2mm " " 83.1 (no molt)

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Catalog

31 Aug Barrow, Alaska
wing molt compl.
feathers at post. end of dors. tract - just compl. molt
872 ♂ Juv Erolia melanotos - T - 1 mm - mod fat 77.9

17 Aug Wainright (Liz 3), Alaska
873 ♀ Juv. Erolia alpina - ova <1mm - very light fat - 48.9
starting post juv. molt pin + brush on underparts + middle of back

18 Aug Wainright (Liz-3), Alaska
874 ♂ Juv. Erolia melanotos - Testis 5mm - no fat 42.0
just completing juvenile plumage (a few feathers - lower back - blue buses)
- flight feathers nearly complete

19 Aug Wainright, Alaska
875 ♀ Juv. Erolia alpina - ova <1mm. light fat - 52.0
wing molt compl. Heavy generalized body molt starting (classes A, B, & C) on back, head, + breast.
no molt - wing molt nearly compl.
876 ♂ Juv. Erolia melanotos - Testis 1.5mm - mod. fat - 73.7
downy chick -
877 ♂ Juv. " " - " <1mm - No fat - 17.8

17 July Pitt Point, Alaska
878 ♀? Juv. Phalaropus fulicarius - no fat - 8.5
879 ♂ Juv. Erolia melanotos - T - <1mm - no fat - 40.8
880 ♀ " " " - no fat 18.9

18 July Pitt Point, Alaska
wing - ½" web
881 ♂ Juv Erolia melanotos - Testis 1mm - no fat 41.1

2 Sept Barrow, Alaska
no molt (wing molt compl.)
882 ♂ Juv. Erolia melanotos - T - 1mm - Mod. fat 83.3
883 ♀ Juv. " alpina - ova <1m - mod. fat 55.3
molt - pins on throat, lower breast, sides, + abdomen, crown, + anterior back. Also brush + several feathers nearing completion on the back. (pins in the scapulars) - wing molt complete

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1960

Catalog

3 Sept Barrow, Alaska

884 ♀ Juv. Ereunetes mauri - ova<1mm - no molt - light fat - 41.6 ✓

885 ♀ Juv. Erolia alpina - ova<1mm - molt - light fat 59.5 ✓

2 Sept Pitmegea River, Cape Sabine, Alaska

to MVZ 886 ♂ Sorex arcticus 102-28-11-3 - no fat 5.1g

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Catalog

2 Oct Berkeley, Alameda Co., California

No.	Sex	Species	Bill	Notes	Weight
887	♂	Ereunetes mauri	bill-21mm	- Testis 1mm - mod. fat. - class A→D (molt - V.+d.)	29.6
888	♀	" "	bill -28mm	- ova 1mm - mod fat - d.+v. molt*	32.9
889	♂	" "	bill-24mm	- T. -1.5mm - mod. fat - Heavy molt*	28.5
890	♂	" "	bill -22mm	- T. 1mm - mod. fat - Heavy molt*	28.3
891	♂	" "	bill 25mm	- T. <1mm - mod. fat - Heavy molt*	26.2
892	♂	" "	bill-23mm	T - 1mm - mod. fat - Heavy molt*	27.8
893	♂	" "	bill-23mm	T - 1.5mm - Heavy fat - Heavy molt*	29.7
894	♂	" "	bill-23mm	T - <1mm - mod. fat - Heavy molt* -	30.0
895	♂	" "		T - 1.5mm - mod fat - Heavy molt*	30.5
896	♀	" "	bill-26mm	ova <1mm - mod. fat - molt D+E -	37.6
897	♂	" "		T. 1mm - mod fat - Heavy molt*	28.5
898	♂	" "		T - 1mm - mod fat - Heavy molt* -	32.4
899	♂	" "	bill-24mm	T - <1mm - heavy fat Heavy molt*	35.8
960	♂	" "	bill-23mm	T - 23mm - mod fat - Heavy molt* (spotted - breeding plum.) - breast streaked with class A-B molt	29.1
901	♂	" "	bill-24mm	T - 1mm - mod. fat - Heavy molt*	29.0
902	♂	" "	bill-24mm	T - 1mm - mod fat - Heavy molt*	30.1
903	♀	" "	bill-27mm	ova 2[illegible]mm - mod. fat - Heavy molt*	33.0
904	♀	" "	bill-27mm	ova <1mm - mod. fat - Heavy molt*	29.3
~~905~~				- streaked, molted, breast	
905	♂	Erolia minutilla	bill-19mm	- T - 1mm - light fat - A,B,C molt	22.8
906	♀	" "	bill-21mm	- ova <1mm - mod fat - molt?	23.5
907	♂	" "	bill-18mm	- T - 1.5mm - mod fat - heavy molt*	25.4
908	♀	" "	bill-19mm	- ova <1mm - heavy fat - ~~heavy~~ molt*	24.7

* - Heavy molt means that the bird is in entire body molt in all stages (A → E). (This means in tracts of head, back, throat, chest, & belly).

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1960

Catalog

2 Oct. Berkeley, Alameda Co., California

909 ? *Erolia minutella* - - mod. fat - light molt - d.tv (bill-18mm) 20.5
910 ♀ " " ova <1mm - light fat - molt (bill-19mm) 24.0
911 ♂ " " T-1.5mm - light fat - Heavy molt (bill-18mm) 21.1
912 ♀ " " ova <1mm - light fat - Heavy molt (bill-18mm) 23.9
I? 913 ♀ Ad? *Erolia alpina* - ova <1mm - light fat (bill-43mm) molt compl. - (few brown scapulars) 50.3
Ad. 914 ♂ Ad " " -T-2mm - mod. fat - molt compl. (bill-37mm) 58.7
Ad 915 ♂ Ad " " -T-2mm - light fat - molt compl. - exc. scapulars (bill-37mm) 50.8
916 ♂ Ad " " -T-1.5mm - light fat molt compl. (bill-37mm) 51.1
I 917 ♀ I " " - ova 1mm - Heavy fat - molt compl. - scap. - mixed (bill-44mm) 69.4
Ad 918 ♂ I " " -T-2mm - mod. fat. molt compl. - scap. mixed (bill-38mm) 56.8
Ad 919 ♂ " " - T - 2mm - light fat - scap d.tv. molt 52.9
Ad 920 ♂ " " -T-2mm - light fat - 49.4
Ad 921 ♂ " " -T 1.5mm - mod. fat 54.0
922 ♂ " " - T 2mm - mod fat nomolt - 48.7
Ad 923 ♂ " " -T 1mm - mod. fat - molt v+d. 54.4
Ad 924 ♀ Ad " " - ova 1mm - mod. fat - molt - (bill - 39mm)

12 Nov. Berkeley, Alameda Co., California

925 ♂ *Ereunetes mauri* - Testis 2mm - mod. fat - nomolt - (bill - 22mm) 30.2
926 ♂ " " - T - 1.5mm - Heavy fat - no molt - 30.0
927 ♂ " " - T 1.5mm - Heavy fat " (bill - 21mm) 32.7
928 ♂ " " - T 2mm " " " (bill 19mm) 29.0
929 ♂ " " - T 1.5mm " " (bill - 21mm) 27.3
- spotty molt - neck - scattered dors. molt (brush dors. + ventral (ventral A, B, C.)
930 ♂ " " - T 1mm - mod fat - stom. not saved (bill-21mm) 26.6
- dors. molt - feather - D, E - nearly complete
931 ♀ " " - ova 1mm - Heavy fat - nomolt - stom. not saved (bill-27mm) 33.7

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1960

Catalog

12 Nov. Berkeley, Alameda Co., California

932 ♂ Ereunetes mauri - Testis 1mm - mod fat no molt —
933 ♂ " " - T - 1.5mm bill-19mm Heavy fat " 31.9
934 ♂ " " T - 1.0mm bill-19mm " " 27.9
935 ♂ " " T - 1mm bill-23mm " " 29.1
936 ♂ " " T - 1mm bill 21mm " " 30.1
937 —
938 —

939 ♀ Erolia alpina - ova 1mm - mod. fat - bill 37mm - 58.4
molt - ventral (B+C - mod), dorsal (B+C - mod.) - scap. B, C, D.
940 ♂ Erolia alpina - Testis 2mm - mod. fat - bill - 35mm no molt - 51.5
941 ♂ " " - T - 2mm - mod. fat bill. 36mm - 53.7
molt - ventral (C, B - heavy), dorsal (C - D - E - heavy)
942 ♂ Erolia alpina - T - 2mm - bill - 34mm mod fat - no molt - 48.2
943 ♂ " " - T - 1.5mm - bill - 33mm Heavy fat no molt - 51.0
944 ♂ " " T - 2mm - mod. fat no molt 53.6
945 ♀ " " - ova <1mm bill-41mm - light fat no molt - 56.3
946 ♀ " " - ova <1mm - bill - 40mm heavy fat - molt. light D+E no. dors. (dors.) 59.6
947 ♂ " " T - 2mm - mod. fat - bill - 32mm - 51.6
- D, E on dors., C, D - on vent. - moderate
948 ♂ " " - T - 2mm - bill-33mm mod. fat - no molt 54.1
949 ♀ " " - ova <1mm Heavy fat - molt 57.8
950 ♀ " " - ova <1mm - mod. fat - no molt 57.4
951 ♂ " " - T - 2mm - mod. fat - molt 54.6

~~20 Dec Berkeley~~

Holmes, R.
1960

Catalog

20 Dec Albany, Alameda Co., California

952 ♂ Crocethia alba - Testis 2mm - mod fat - no molt 49.4 (bill 25mm)
953 ♂ " " - T 2mm - mod fat - no molt - 54.6 (bill - 22 mm)
✓954 ♂ Erolia alpina - T - 2mm - mod fat no molt - 55.5 (bill - 34mm)
955 ♀ " " - ova <1mm - mod fat " - 62.8 (bill - 36m)
✓956 ♀ " " ova <1mm - mod fat " " 57.8 (bill - 38m)
✓957 ♀ " " ova <1mm - light fat " " 55.5 (bill - 37mm)
958 ♀ " " ova <1mm - light fat " " 60.3 (bill - 38mm)
959 ♀ " " ova <1mm - light fat - 54.6 (bill - 41mm) (no molt)
960 ♂ " " T - 2mm - light fat - no molt - 54.0 (bill - 36)
961 ♀ " " - ova <1mm - mod fat " - 61.6 (bill - 39)
✓962 ♀ " " - ova <1mm - light " " - 56.4 (bill - 39)
963 ♀ " " ova <1mm - light fat - " " - 51.7 (bill - 41 - wings not spread)
✓964 ♀ " " - ova <1mm - light fat " " - 55.1 (bill - 38)
965 ♂ " " T - 2mm - light fat - no molt - 53.7 (bill - 35)
966 ♂ Squatarola squatarola - T - 3mm - mod. fat - no molt ?
967 ♂ Crocethia alba - T - 2 mm - " " " 52.3
968 ♀ Erolia alpina - ova <1mm - mod fat - nomolt - 63.7
caeca 41, 40 mm
969 ♀ Erolia alpina - ova <1mm - light fat - nomolt - 57.3
caeca 41, 42mm
970 ♀ Erolia alpina - ova <1mm - light fat 58.6
caeca, 42, 42.
971 ♀ Erolia alpina - ova <1mm - light fat 57.3
caeca 40, 46
972 ♀ Erolia alpina - ova <1mm - light fat 62.3

972b ♂ ____ minutilla - T <1mm no fat 18.2

1961 - Catalog

BARRRET

26	♀	"	"	Ova to 1mm. 55.7g	↓	✓
27	♂	"	"	Testes 3mm. 51.8g.	↓	✓
28	♀	"	"	Ova to 1.5mm. 54.2g.	↓	✓
4	♂	"	"	San Quentin Bay, B.C. Testes 3mm. 52.0g.	25-III-61	✓
1	♂	"	"	Testes 3mm. 55.4g	24-III-61	✓

g

..

i.

C. 25-III-61

24-III-61

C. J. Ralph
1961

2	♂	Ereunetes mauri	San Quentin Bay, B.C.	25-III-61
3	♀	" "	" " " "	25-III-61
5	♀	" "	" " " "	↓
6	♂	" "	" " " "	↓
7	♂	" "	" " " "	↓
18	♂	Erolia alpina.	" " " " Testes 1 mm. 60.0 g.	27 ~~28~~-III-61 ✓
15	♂	" "	Testes 2 mm. 54.5 g.	28-III-61 ✓
19	♂	" "	Testes 3 mm. 57.9 g.	28-III-61 ✓
20	♀	" "	"~~Ova~~ 9 x4 mm." 54.8 g. = ovary	28-III-61 ✓
25	♂	" "	Testes 2 mm. 53.0 g	31-III-61 ✓

~~25~~ 25-III-61

~~25~~ 25-III-61

↓

27
~~28~~-III-61 ✓

28-III-61 ✓

28-III-61 ✓

28-III-61 ✓

31-III-61 ✓

Holmes, R.
1961

Catalog

25 march	San Quintin Bay, Baja California, Mexico
980	♂ Erolia alpina - Testis 3mm - very little fat · dors + vent. molt 54.1 g
981	♂ " " - " 3 mm - no fat - " 55.8
982	♂ Ereunetes mauri · " 2 mm - no fat - molt 28.4
983	♂ " " " 2 mm - no fat - molt 25.8
984	♂ " " " 2 mm · very light fat - " 25.9
985	♂ " " " 2x1 mm - no fat - " 26.1
986	♂ " " " 2x1 mm - no fat - " 22.9
26 march 987	♂ Testis 6x4 mm - no fat - 15.0 g
988	♀ Limnodromus griseus · ova 1mm · no fat · molt - 105.8
989	♂ " " - Testis 3mm - light fat · molt - 123.6
990	♀ " " - ova 1mm - light fat 114.0
991	♂ Erolia minutilla - Testis 1.5mm x 1mm - no fat - 21.6
27 March	San Quintin Bay, Baja California
992	♀ Ereunetes mauri - ova <1mm - light fat - slight molt - 31.6
993	♂ Erolia alpina · Testis 3x1mm - no fat - molt - 44.8 (caeca · 32, 34 mm)
994	♀ " " - ova <1mm - no fat - molt - 54.0 (not saved)
995	♀ " " - ova <1mm - no fat " - 50.0
996	♀ " " - ova <1mm · no fat · dors + vent molt 57.9 (- not saved)
997	♂ " " - Testis 2mm - no fat " " " 51.2
998	♀ - Rallus obsoletus - ova to 3mm - no fat 319.9
999	♀ Ereunetes ~~pusillus~~ mauri - ova <1mm - no fat - molt 24.6
1000	♂ Erolia minutilla - Testis 2x1mm - no fat 19.7 (- not saved)
1001	♂ Ereunetes mauri - Testis 2x1mm · no fat · molt 22.7
28 March	San Quintin Bay, Baja California
1002	♂ Erolia alpina - Testis 3x1mm - light fat - molt - 58.0
1003	♂ " " - Testis 3x1mm - no fat - molt - 55.1
1004	♀ " " - ova <1mm - no fat - " 50.6

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1961

Catalog

28 March | San Quintin Bay, Baja California

1005 ♀ Erolia alpina - ova <1mm - no fat - molt 58.5
1006 ♂ " " - Testis 3x1mm · light fat · molt - 57.0
1007 ♀ " " - ova <1mm - no fat - molt 57.2
1008 ♀ " " - ova <1mm - mod. fat - beginning molt 65.3
1009 ♀ " " - ova <1mm - no fat - molt 51.4

29 March San Quintin Bay, Baja California

1010 ♀ Limnodromus griseus - ova to 1mm - No fat - 101.8

30 March San Quintin Bay, Baja California

1011 ♂ Erolia alpina - Testis 3x1mm - no fat - 57.3
1012 ♀ " " - ova to 1mm · no fat · molt 58.6
1013 ♂ Ereunetes mauri · Testis 2mm - light fat · molt · 26.5

31 March San Quintin Bay, Baja California ~~57.9~~

1014 ♂ Erolia alpina - Testis 3x1mm - light fat - molt. 57.9
1015 ♂ Limnodromus griseus - Testis 3x1mm - light fat · no molt 96.4
1016 ♂ Erolia alpina - Testes 3x1mm · light fat - molt · 52.8
1017 ♂ " " - Testes 3x1mm - no fat - ~~molt~~ 54.7
1018 ♂ " " - Testis 2x1mm · light fat · slight " 55.8
1019 ♂ " " - Testis 2x1mm - light fat - molt - 52.7
1020 ♀ " " - ova to 1mm - light fat - molt 58.5
1021 ♂ Ereunetes mauri - testis 1x½ mm - no fat 23.5

W. C. Russell
1961

San Quintin Bay, Baha California
Mar 26, 1961

13726	♀	Bell Sparrow		♀. 15.4g.
13727	♂	" "		" 16.0g.
13728	♀	Clapper Rail	eggs enlarging largest ovum 2mm.	" 271.0g.
13729	♀	" "	egg mass 25mm largest ovum 2mm	294.7og.
13730	♀	Savannah Sparrow	(egg mass) ova 3mm	" 16.6g.
13731	♂	" "	testis 7mm	" 18.3g.
13732	♂	" "	" 8mm	" 17.6g.
13733	♂	" "	" 9mm	" 18.9g.

Mar 27

~~13734~~				~~293.8g.~~
13734	♀	Clapper Rail	oviduct enlarging ovum 4mm.	293.8g
13735	♀	" "	oviduct enlarging ovum 4mm	281.0g.
13736	♀	Savannah Sparrow	ovum 1 mm	17.1g.
13737	♂	" "	testis 8mm	18.3g
13738	♀	Dowitcher	ovum less than 1mm	107.0g
13739	♂	Red-backed Sandpiper	testis 3mm	46.7g
13740	♀	" " " "	ovum less than 1mm	56.0g

Mar 28

13741	♀	Red-backed Sandpiper	very thin a cripple ovum less than 1mm	41.0g.
13742	♂	Savannah Sparrow	testis 8mm	18.6g.
13743	♂	Bell Sparrow	" 3mm	16.0g.
13744	♀	Red-backed Sandpiper	less than 1mm ovum -1mm	61.5g
13745	♀	" " "	" "	51.8g.
13746	♂	" " "	testis 2mm	51.0g.
13747	♂	Western Sandpiper	testis 1mm	22.9g
13748	♂	Clapper Rail	testis 22mm	388.7g.
13749	♂	Western Sandpiper		24.3

San Quintin Bay, Baja California

Mar 28 1961

13750	♀ Red-backed Sandpiper	no fat ovum-1mm	51.5

Mar 29 1961

13751	♂ Clapper Rail	testes 27mm	451.2g
13752	♂ " "	" 22mm	430.0g.
13753	♂ " "	" 24mm	425.0g.
13754	♀ Sora Rail	ovum-1mm	61.7g.

Mar 30, 1961

13755	♀ Neotoma desertorum	250-113-30-25	91.6g

Mar 31. 1961

13756	♂ Savannah Sparrow	testis 8mm	18.0g.
13757	♂ " "	testis 9mm	20.0g.
13758	♀ Godwit	ovum-1mm	391.0g.
13759	♀ Red-backed Sandpiper	ovum-1mm no fat	57.5g.
13760	~~♂~~♀ " " "	ovum-1mm ~~testis 2mm~~ ~~fat~~ no fat	55.2g
13761	♂ " " "	testis 2mm fat	——
13762	♂ " " "	~~testis 2mm~~ fat	57.5g
13763	♂ Western Sandpiper	testis 1mm very little fat	22.2g

1961

8 April Berkeley, Alameda Co., California

1022 ♂ Erolia alpina - testis 3X1.5mm - light fat 53.6
-breast spotted, 1/3 complete, but no molt occuring.
none on head, throat, breast or back - or wing
caecae 40, 37mm (pab. empty)

1023 ♀ Erolia alpina - ova to 1mm - very light fat - 54.5
no wing molt, dors. head (D, E), dorsum (C, D, E)
neck-throat (C, D, E), Belly (D, E).
caecae 33, 28 - empty

1024 ♂ Ereunetes mauri - T. 2.5x1mm - mod. fat - 30.0
entire body molt (in D & E); no wing molt

1025 ♂ Ereunetes mauri - T= 2x1mm - light fat - 27.8g
entire body molt (C, D, E).

9 April Berkeley, Alameda Co, California

1026 ♂ Erolia alpina - T - 3X1.5mm - very light fat 55.3g
2/3 completed molt. caecae 39, 38 - empty

1027 ♂ Erolia alpina T - 3X1.5mm - no fat 52.8g
molt - caecae 42, 39 - empty

1028 ♂ Erolia alpina - Testis, 3x2mm - light fat - 50.9g
molt - caecae; 37, 37 - full (green)

1029 ♂ Erolia alpina - Testes 3x2mm - mod. fat - 58.3
little molt, nearly complete; caecae 43, 43 - empty

1030 ♂ Ereunetes mauri - light fat - Testes 2x1 (molt - slight) 23.3g

1031 ♂ " " - " " " (molt) " 25.5g

1032 ♂ Erolia minutilla - Testis 1.5x1mm (molt) - very light fat - 20.0g

1033 ♀ Erolia alpina - ova to 1mm - no fat 53.6
Breast, [B] - B; crown B-D; dorsum B-D-E; throat C-B-C

8 April Berkeley, Alameda Co., California

1034 ♂ Ereunetes mauri - Testis 2x1mm - light fat - 23.6

molt - none; sev. feathers in scapulars & on dorsum showing adventitious molt with new feathers in "spring" colors. Bill - 21mm

1035 ♀ Ereunetes mauri - ova to 1mm - light fat - 30.2

molt - Breast [O], A, B; Crown O, [A], B, C

Dorsum O, [A] B C D; Malar [O], A bill - 25mm

1036 ♂ Ereunetes mauri Testis 2x1mm - moderate fat 26.8g

Breast O → C; Crown O → C → E; Dorsum O → C → D

Malar O → C; Throat O → C → D bill - 21mm

1037 ♂ Ereunetes mauri - T = 2x1mm - mod. fat 28.1g

Breast O or E; Crown - E; Dorsum - E

malar E; Throat E bill - 22mm

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1038 ♀ Ereunetes mauri - ova <1mm - light fat 25.5

Breast O A B C; Crown, O, A, B, C; dorsum O → C

Malar O → C; Throat O - C

? 1039 ♀ Ereunetes mauri - ova <1mm - moderate fat 31.7

Breast O → B; Crown O → D E; dorsum A → E

Malar O → B; Throat A → C → D bill = 25.0

1040 ♂ Ereunetes mauri - Testes 2x1mm - moderate fat - 26.0

no molt bill - 21mm

1041 ♀ Ereunetes mauri - ova to 1mm - mod. fat 27.2

Breast O A; Crown O A dorsum O, A

malar O A; Throat O A - bill 25mm

1042 ♂ Ereunetes mauri - T 2x1mm - light fat 25.4g

Breast O → C → D; Crown A → D, dorsum A → C → D

Malar A, C, D; Throat A C D - bill - 21mm

1043 ♂ Ereunetes mauri - Testis 2x1mm - mod. fat 27.3

* molt apparently complete; chest not as spotted as some, yet no new feathers coming - bill - 22mm

1044 ♀ Ereunetes mauri - ova <1mm - moderate fat 29.2g

Breast A → C → D; Crown O - C → D; dorsum O → D

~~Malar~~ Throat O → C → D; malar - O → A? - upper & under tail coverts molting bill = 24mm

* - See journal April 10

9 April Berkeley, Alameda Co., California

1045 ♂ *Ereunetes mauri* - T - 3x2mm - light fat 24.3
* molt complete; no new molt bill-21mm

1046 ♂ *Ereunetes mauri* - T - 2x1mm - very light fat 22.8
no molt; 8 feathers in left scapulars; 5 in right
are summer feathers & are complete (E) advent. - bill-20mm

1047 ♂ *Ereunetes mauri* - T - 2x1mm - mod. fat 26.4
* molt complete bill-22mm

1048 ♂ *Ereunetes mauri* - T 2x1mm - light fat 27.0
breast A → D, E; crown A → D, E, Dorsum A → D, E
malar A → D; throat A → E. bill = 20mm

1049 ♂ *Ereunetes mauri* - T - 2x1mm - very light fat - 21.6g
Breast D, E; Crown E; dorsum D, E
malar D, E; Throat E bill-22mm

1050 ♂ *Ereunetes mauri* T - 2x1mm - light fat 26.9
Breast O - B; crown O - A - B; Dorsum
Malar O, A; Throat A - C - D. bill = 22.0mm

1051 ♂ *Ereunetes mauri* - T - 2x1mm - Mod. fat 28.9
* - molt complete - - bill-22mm

1052 ♂ *Ereunetes mauri* - T - 2x1mm - mod. fat 25.8
Breast O → B; crown O A B; dorsum O A B C
malar ?; throat O A B bill 20mm

1053 ♂ *Ereunetes mauri* - T - 2x1mm - Heavy fat 30.2
Breast O - A; crown O - B; dorsum O - B
malar O A; throat O - B bill - 20mm

1054 ♂ *Ereunetes mauri* T 3x1 mm - no fat 21.1g
* molt complete bill - 21mm

1055 ♂ *Ereunetes mauri* - ♂ - T - 2x1mm - very light fat 22.5
Breast - O; crown O; dorsum O - A
malar - O; Throat - O bill 21mm
- 3 advent. feathers a break in spring color

1056 ♂ *Ereunetes mauri* - Testis 2x1m - light fat 20.6g
Breast E; crown - E; dorsum D & E ~~[illegible]~~
malar E; throat E. bill 21mm

- see journal April 10.

1761

9 April Berkeley, Alameda Co, California

1057 ♂ Erolia alpina - 3x1mm - light fat 50.9

Breast O→C→E; crown C→E; dorsum B-C-D

Malar C→E; Neck C→E bill -33mm

22 April Berkeley, Alameda Co., California

1058 ♂ Erolia alpina - Testis 5mm +3 - very Heavy Fat 72.2

Breast O→E; crown E; dorsum E

Maler D→E; Neck E. (Breast - 3/4 E - 1/4 O - no intermed.)

caecae: 43, 40 (green at tips) bill=36mm

1059 ♀ Erolia alpina - ova to 1mm - Heavy fat 67.3

Breast O→C→D; crown O→C; dorsum O→C→E

Maler O→B; Neck O→D - caeca 42-43 | bill=41mm

1060 ♂ Ereunetes mauri - T 2.5x1.5mm - mod. fat - 32.9

Breast D→E; crow-dorsum complete; maler D-E

Throat E. bill=22mm spotted tail coverts

23 April Berkeley, Alameda Co, California

1061 ♂ Ereunetes mauri - Testes 4x2mm - Heavy fat 27.1g

Breast E; crown E; dorsu E; malar E, Throat E.

1062 ♂ Ereunetes mauri - T - 2.5x1mm - light fat - 26.8

Breast B→C→E; crown A→C→D dorsum A→C→D

Malar B→D; Throat A→C→D. bill=22mm

1063 Ereunets mauri 27.6g

gene

Breast E; crown D-E; dorsum D→E, malar D, E.

Throat C→D→E. bill=22m

7 May Berkeley, Alameda Co, California

1064 ♀ Erolia alpina - ova to 1.5mm - no fat. 33.2

Breast - E. molt complete

1065 ♂ Erolia alpina - Testis 4x2mm - no fat 46.1

Breast C→E; crown D→E; dorsum D→E

Malar E; Throat E.

1066 ♂ Ereunetes mauri - T - 4.5x2.5mm - mod. fat 32.3g

Breast O→A→B; crown O→B; dorsum O→B

malar O→C; throat O→A-B

7 May Berkeley, Alameda Co., California

1067 ♂ Ereunetes mauri -T 6x4mm - mod. fat 31.8
molt complete bill = 23mm

1068 ♀ Ereunetes mauri - ova to 2mm - mod fat · 33.0
molt complete - bill = 27mm

1069 ♂ Ereunetes mauri -T - 4x3mm - mod. fat - 28.4
Molt complete

10 May Berkeley, Alameda Co., California

1070 ♀ Erolia alpina - ova to 2mm - mod. fat - 62.8g
Breast O and E; Crown O + E; malar O → D
Dorsum D - E; Throat E. Only active molt
was in the malar region. Other body all stopped

1071 ♂ Erolia alpina - Testes 3x2mm - light fat 51.6
molt complete bill = 37mm

1072 ♂ Crocethia alba - Testes 4x2mm - mod. fat 66.9g
Breast C → D; Crown A → C → D; dorsum O → B → D
malar O - D; Throat O → C

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3 June Barrow, Alaska (Beach Ridge E to Elson)

W 1073 ♀ Crocethia alba - ova 2.5, 2 →. Heavy fat 74.0
1074 Pluvialis dominica 138.0
W 1075 ♂ Ereunetes pusillus - T - 8x4mm. light fat 23.0
V 1076 ♂ Erolia alpina - T - 11x5mm - light fat - no molt. 50.2
W 1077 ♂ " " - T = 8mm - " " " " . no b.p. 30.8

4 June Barrow, Alaska

S 1078 ♂ Ereunetes pusillus - T - 7x4mm - no fat - no molt 21.9
S 1079 ♂ Erolia fuscicollis - T - 11x4mm - Heavy fat - no enlarged thr. reg. - no vasc. or thickening 51.8
see notes concerning the 2 indiv. above
W 1080 ♂ Erolia alpina - T. 10x5mm. no fat - no molt. (# 3) 52.6
W 1081 ♀ " " - ova 13, 6, 5, 4 → 2, very light fat - no molt (# 2) 63.8
W 1082 ♂ " " - T - 11x5mm - no fat - no molt (# 1) 51.3
caecae 27, 30mm - slightly colored toward tips
W 1083 ♂ Erolia alpina - T 7x3 - very light fat - no molt 50.9
caeca 30.31 - No. of Ikroavik
1084 ♂ Erolia alpina - T 5x4mm - light fat - No. of VOR - no molt 59.2
1085 ♀ Erolia melanotos - ova 4, 4, 3 3, → - mod. fat - no molt 63.3
1086 ♂ Calcarius lapponicus - T - 9x6 mm - no fat 25.3
1087 ♀ " " - Irupt. follicle, 1 8mm, 3mm → light fat 27.0
- above 2 are a pair obs. copulating

5 June Barrow, Alaska

W 1088 ♀ Erolia alpina - ova 5, 4, 3 → - very light fat - 56.7
- paired - ♂ displ. near ♀ after shooting
S 1089 ♂ Crocethia alba - T - 13x6mm - light fat 57.6
S 1090 ♀ " " - ova 3mm. & smaller. mod. fat 66.7
W 1091 ♀ " " - ova to 3mm - heavy fat - no molt. 68.0
1092 ♂ Erolia melanotos - T 12x8 - mod. fat - no molt - clean 111.4

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1961

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6 June | Barrow, Alaska

W 1093 ♂ Erolia alpina - T - 8x3 mm - no fat - parasites in body cavity 55.4

1094 ♂ Ereunetes pusillus - T - 9x4 mm - light fat - no molt - 24.8

1095 ♂ Erolia melanotos - T - 10x5 mm - light fat - alc. 108.4

7 June | Barrow, Alaska (marsh near Olson's)

1096 ♀ Ereunetes pusillus - ova to 3 mm - very light fat - 25.8

W 1097 ♂ Erolia alpina - T - 13x7 mm - no fat - 49.0

S 1098 ♂ Erolia bairdi - T - 11x5 mm - no fat 39.0

W paired { 1099 ♀ Erolia alpina - ova to 8 mm - light fat - feeding in grassy pond 68.4

W 1100 ♂ " " - T - 8x4 mm - no fat " 51.4

pr. { 1101 ♂ " " - T - 8x4 mm - no fat - grassy upland + temp. pool 51.4

S 1102 ♀ " " - ova to 4 mm - " " wounded - see notes " 59.8

from flock of 13 { 1103 ♀ Erolia melanotos - ova to 5 mm - light fat - 60.0

1104 ♀ " " - ova to 4 mm - mod. fat 66.2

1105 ♂ " " - T = 12x6 mm - no fat 84.0

10 June | Barrow, Alaska

1106 ♀ Erolia alpina - ova - to 5 mm - 2 rupt. follicle - brood patch - very light fat - 70.0

S 1107 ♀ " " - ova to 10 mm - light fat 64.8

[illegible] pr. { 1108 ♀ " " - ova to 8 mm - brood patch - 1 in oviduct (+2 collap. foll.) - no fat - 2 eggs laid - one on way 61.0

S 1109 ♂ " " - T - 9x5 mm - no fat 53.2

11 June | Barrow, Alaska

B.R. 1110 ♀ Erolia melanotos ova to 4 mm - light fat - no eggs laid - slight dev. of br. patch? [illegible]

13 June | Barrow, Alaska

1111 Ereunetes pusillus

1[illegible] June | Barrow, Alaska

W 1112 ♂ Erolia alpina - T 10x5 mm - light fat - brood patch - wing molt - 58.8

W 1113 ♂ " " - T 11x6 mm - " " " - wing molt 57.2

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15 June Barrow, Alaska

S 1114 ♂ Erolia alpina -T 11x6mm - brood patch - light fat 60.3g

1115 ♂ Erolia melanotos - T-9x5mm - light fat 91.4g

E-B.P. pr. 1116 ♂ " " - T-10x6mm - no fat 92.6

1117 ♀ " " - ova 3, 3, 2, 2 - <1 - no eggs laid - no fat 62.2

1118 Crocethia alba 64.7

16 June Barrow, Alaska

W 1119 ♂ Erolia alpina -T 10x6mm - brood patch - wing molt - no fat - 51.8

17 June Barrow, Alaska

W BR 1120 ♂ Erolia alpina - T 10x5mm brood patch light fat 57.4

W VoTh. 1121 ♀ " " - 2 rupt. foll., 6, 5mm ova - brood patch - wing molt (3 prim.) no fat 57.3

18 June Barrow, Alaska

S 1122 ♀ Erolia alpina - 2 rupt. foll. - 1 ova at 8mm, 1 at 3mm. brood patch - no wing molt very light fat 65.9g

20 June Barrow - Skroovik, Alaska

Loon Pond No-Iwo 1123 ♀ Erolia alpina - ova to 2mm - 4 follicles. brood patch, wing molt, stom = 2.3g light fat 58.9

W 1124 ♂ " " T-9x4mm - light fat - brood patch - wing molt stom. = 1.6g 57.4

W 1125 ♀ " " - ova to 3mm - 4 foll. - no fat brood patch - stom. wt. 2.45g - well along wing molt - brood patch

S 1126 ♀ " " - ova to 3mm - 4 rupt. foll - no fat 57.9

24 June Barrow, Alaska

W pr. 1127 ♂ Erolia alpina - T 8x4mm - No fat - So. end B.R. slight brood patch. no molt 46.9

S 1128 ♀ " " - ova 20, 8, <2 - 2 rupt. foll. - no fat 65.6

- brood patch, wing molt. polygon trough - east B.R.

W 1129 ♂ Erolia alpina - T = 8x4mm - no fat - brood patch 55.0
molt - coll. in central marsh near No. end of B.R.

W 1130 ♀ Erolia alpina ova 22, 17, + <5mm - 2 rupt foll. - no fat 77.7
- brood patch, wing molt. feeding in polygon trough - temp: pool:

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25 June Barrow, Alaska

1131 ♀ Erolia melanotos - ova to 4mm - 4 rupt. foll. - brood patch - no fat 55.6

1132 ♂ " " - T - 14 x 8mm - light fat 93.6

- above 2 paired - collected No. 1 Trapline III A + B

26 June Barrow, Alaska

1133 ♀ Erolia alpina - ova to 4mm - 1 broken in oviduct 67.1 g
3 rupt follicles - brood patch wing molt - corner of cent. M

27 June Barrow, Alaska

1134 ♂ Erolia alpina - T = 8 x 4mm - light fat - brood patch 58.1
wing molt well along - BAND NUMBER 56-137826
- banded on 7/6/60 - near Ikroavik. Collected
½ mi So. of Footprint lake & ½ mi east of
Ikroavik - so that it was back within
1 or 2 miles of banding locale.

1135 ♀ Erolia alpina - ova to 9mm - 3? rupt follicle - light fat - brood patch - 73.6
- high polygon - wet troughs - east of Voth's Area

3 July Barrow, Alaska

1136 ♂ Erolia alpina - T - 7 x 3mm - no fat - brood 56.1
patch, wing molt, bill = 32mm - high polygon - So. of Voth

4 July Barrow, alaska

1137 ♂ Erolia alpina - T = 6 x 3 mm - light fat - brood patch 56.5
dorsal molt - 0 → B - no other
wing molt - bill = 31.5 mm - No. B.P. - wet pond edge

1138 ♀ Erolia alpina - see F.A.P.

1139 Erolia bairdi " 44.9

5 July Barrow, Alaska

1140 ♂ Erolia alpina - T = 4 x 2 mm - light fat - brood patch 58.5
wing molt, no body molt

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5 July Barrow, Alaska

W 1141 ♂ Erolia alpina T=5x3mm - light fat - brood- 53.0
patch, wing molt, no body molt

S 1142 ♂ Juv. Erolia alpina - T=1.5x.2mm - light fat 26.4g

6 July Barrow, Alaska

W 1143 ♂ Erolia alpina - T=7x4mm - light fat 60.4g
brood patch, wing molt, no body molt, molt on uppertail covert

1144 ♂ Ereunetes pusillus - T=2x1mm - light fat - 27.8
brood patch, molt dors 0->C, vent 0->B. crown 0->B
neck 0->B . No wing molt

1145 ? Ereunetes pusillus - light fat - no molt brood patch 24.3

1146 ♂ " " - T=3x2mm - light fat. 24.1
brood patch - dorsum 0->C, Breast 0->B,
neck 0->B, crown 0->A, malar 0->A

1147 ♀ Ereunetes pusillus - ova to 1mm - light fat 2[illegible].3
brood patch (starting to be covered with pin feathers
at edge). Dorsum 0->D; vent 0->B, neck
0->A, crown 0->C, malar 0->A

1148 ♀ Ereunetes pusillus - ova to 1mm - light fat 30.9
brood patch. dorsum 0->C - no other molt

1149 ♂ Ereunetes pusillus - T=2x1mm - med. fat 26.3
brood patch. No molt

1150 ♀ Ereunetes pusillus - ova to 1mm - light fat 29.2
brood patch (with pins), dorsum 0->C, ~~29.2~~
crown 0->C; vent 0->B, neck 0->B,

1151 ♂ Ereunetes pusillus - T=3x2mm - light fat 26.2
brood patch. Dorsum 0->B, crown 0->C,
vent 0->A, neck 0->A

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7 July Barrow, Alaska

1152 ♀ Erolia alpina - ova to 2mm - no fat - brood patch - 59.2
no body molt, wing molt. W. side of FTP. Lake - grass area

1153 ♂ Juv Erolia alpina T. 1mm - no fat. 20.4

1154 ♂ Erolia melanotos 88.0
crown O->A, Dorsum O->B, Rump O->B
throat O->A, Breast O->A. Malar O->A
-general over all body molt. - no wing-tail molt

1155 ♂ Erolia melanotos 92.6 ~~87.8~~
crown O->A, Dorsum O->B->C, Rump O->A
throat O->B, Breast O->B; Malar O->A
-gen'l body molt; no wing or tail molt
No. Voth Area - in wet polygons - (also 1154)

(1154–1155: in formalin for R. Zusi)

1156 ♂ Juv. Erolia alpina ~~melanotos~~ - T=1mm - very light fat - 30.5

9 July Barrow, Alaska

W 1157 ♀ Erolia alpina - ova to 2mm - light fat 65.5
brood patch - wing molt. dorsal molt O->A.
This indiv. + next 2 taken in ponds with mud bottom + sedge-grass edge - just E of T-4A-4B N + W of Voth's Area. This indiv. in water feeding in muck when shot

W 1158 ♂ Erolia alpina - T=3x1½ mm - very light fat 57.6
brood patch - filling in with pin feathers, wing molt - upper + under coverts. dorsum O->A->B
crown O->B->C, Neck O->A, Breast B->A
Rump molt + 2 central tail feathers. Malar O->A

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Catalog

9 July Barrow, Alaska

W 1159 ♂ Erolia alpina – T=8x3mm – light fat 54.1
broodpatch with A feathers. wingmolt.
Dorsum O->B, crown O->A, breast O->A
throat O->A. Rump O->B->C. Upper + undertail coverts

Wohl. Slough { 1160 ♂ Juv. Erolia alpina –T=1.5mm – light fat 22.0 g
1161 ♀ " " " – ova <1mm – " " 25.1
1162 ♂ " " " – T=1.5mm – " " 21.5 g }

10 July Barrow, Alaska

Zusi 1163 Pluvialis dominica body molt – broodpatch with A feathers. 161.9

S 1164 ♀ Erolia alpina – ova 1.5mm – no fat – brood 58.5
patch

1165 ♀ Juv Erolia alpina – ova <1mm – no fat – No. Vo This Area. 17.5
no body molt – wing molt + tail molt (2 center, 1 each flank)

9 July Barrow, Alaska

1166 ♂ Erolia melanotos – T=6x3mm – moderate fat – 96.5
crown O->B, dorsum O->C, throat O->B->C
breast O->C – no wing or tail molt

13 July Barrow, Alaska

1167 ♀ Juv. Erolia alpina – ova <1 – – no fat 19.6 low polygon – no water near

from flocks of 4-5 in grassy low poly. area. So. Wohl. { 1168 ♀ Erolia alpina – ova to 1mm – light fat 63.9
no body molt, brood patch intact, wing + tail molt – cent + prim
1169 ♀ Erolia alpina – ova to 1mm – light fat – broodpatch 59.4 }
crown O->A, dorsum O, rump O; upper tail cov. – O->B,
Neck, breast – O; Under t. cov. – O->B. wing + tail molt

W 1170 ♂ Erolia alpina – T=3x1mm – light fat – brood patch 55.8
rump: O->A
Crown O->A; dorsum O->A; remainder – O. Tail + wing molt

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13 July Barrow, Alaska

1171 ♀ Erolia alpina - ova to 1mm - light fat 61.8
crown O->B; dorsum O->A; rump + upper t. cov. O->A; Throat O->A
breast O->B, under tail coverts O->A. A-in broodpatch
tail + wing molt.
1170 + 1171 - from flock of 5, in grassy, low polygons -
just So. of Wohlschlag Sl. - no water near

14 July Barrow, Alaska

1172 [♂] Erolia melanotos 81.7g
crown O->C; dorsum O->C; rump O->B; neck O->C
breast O->C; overall body molt - O->C - no wing or tail

(insect plots; flock of 5)

1173 [♀] Erolia melanotos 63.1g
crown O->B; dorsum O->B, rump O; breast O->B
neck O->B; (broodpatch with O(none)->B) - no wing or tail molt

1174 ♀ Erolia melanotos - ova <1mm - light fat 61.5
crown O->A; dorsum O->A neck + breast O->A.
broodpatch with O(none)->A.

15 July Barrow, Alaska

(alc. form: Zusi)
1175 Juv. Erolia melanotos 12.1g
1176 " " " 13.1g
- collected near Traplines IVA+B - in alc. for Zusi

17 July Barrow, Alaska

(form. Zusi)
1177 Juv. Erolia bairdii 6.6g
1178 " " " 6.3
- hatched evening / 16 July. Taken 2000 - 17 July.

19 July

(form. Zusi)
1179 Juv. Arenaria interpres stom. empty 62.8
1180 ♂? Phalaropus fulicarius stom. empty broodpatch - T 23mm - light fat 45.6

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19 July Barrow, Alaska

1181 ♀ Juv. Erolia alpina - ova <1mm - no fat 19.4 ✓

W 1182 ♀ Erolia alpina - ova to 1mm - light fat 38.2 ✓
brood patch, no molt. [exc. wing] - lone indiv. coll. ½ mi
So. of the Wohl. Slough - crossing - feeding i
bl. mud at edge of 30' pond.

W 1183 ♂ Erolia alpina - T = 3mm, light fat 52.2 ✓
wing molt - no tail molt - dorsum 0->A -
no other body molt - brood patch +.

2 of group of 5

W 1184 ♀ Erolia alpina - ova <1mm - no fat. 55.3 ✓
crown 0->A; dorsum 0->B; throat 0->B
breast 0->A - rump 0->A. brood
patch @ A. under-tail coverts 0->B
wing molt. bill 40mm.
- coll. near So. corner of Elson-Wohlschlag Sl.

20 July Barrow, Alaska

1185 ♀ Juv. Erolia alpina - ova <1mm - no fat - gasline ridge 44.4 ✓

30 June - 1 July - Wales, Alaska

W 1186 → 1193 - Ereunetes mauri - see F.A.P.'s Catalog

30 June Wales, Alaska

S 1194 ♂ Erolia ptilocnemis - T = 8x4mm - light fat 74.8
brood patch regressing (with A feathers)

21 July Barrow, Alaska 53.7 ✓

1195 ♀ Juv. Erolia alpina - ova <1 - very light fat
- flying - in Vath Slough

1196 ♂ Erolia alpina - Testi; 3 mm - light fat 54.6 ✓
- wing molt, not tail - no body molt brood patch regressing

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1961

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21 July Barrow, Alaska

1197 ♂ Erolia alpina - T = 5 x 2mm - light fat 57.2
wing & upper tail coverts molt only - no
other body molt. Brood patch regressing, but no A.
- with 2 young - in So. Footprint Lake
~~#98~~ Juv. Erolia alpina - See J. O. S. #56

30 June Wales, Alaska

1198 ♂ Erolia alpina testis 4mm; light fat 50.4
Brood patch regressing with pin feathers just
starting to show; wing molt, no body or tail molt
1199 ♀ —— —— ova to 2mm; no fat 49.4
Brood patch active; no wing or body or tail molt

1200 ♀ —— —— ova to 2mm. no fat 51.9
Brood patch active; no wing or body or tail molt

1201 ♂ —— —— testis 5 mm.; light fat 52.8
Brood patch starting to regress; wing
molt, no body or tail molt
1202 ♀ —— —— ova to 1mm.; light fat 60.6
Brood patch active; no wing or body or tail
molt.
1203 ♀ —— —— ova to 1mm.; light fat 52.8
Brood patch active; wing molt; no
body or tail molt
1204 ♂ —— —— testis 5 mm; light fat 55.7
brood patch active; no wing or body or tail
molt

Holmes, R.
1961

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1 July Wales, Alaska

1205 ♂ Erolia alpina testes 6mm.; light fat 49.7
brood patch active; wing molt started,
no body or tail molt

1206 ♀ —— —— ova to 1mm.; light fat 55.5
brood patch active; wing molt just started;
no body or tail molt

1207 ♀ —— —— ova to 1mm.; light fat 51.5
brood patch active; no molt

1208 ♀ Erolia ptilocnemis - ova to 2mm - light fat 72.0
brood patch+ no wing, tail or body molt

22 July Barrow, Alaska

1209 ♂ Erolia melanotos - T = 3x1mm - very light fat 81.3
sporadic molt on the dorsum, breast + belly
with feathers from A -> D. Perhaps 1/2 of
feathers in molt, other half not

1210 ♀ J. Ereunetes ~~pusillus~~ mauri . ova <1mm - no fat 23.1
- nearly fully feathered + flying [illegible]

23 July Barrow, Alaska

1211 ♀ Erolia alpina - ova to 1mm - no fat - 51.8
crown O -> D; dorsum O -> C; upper tail coverts
O -> C; breast O -> C; belly O -> C; under tail cov O -> C
brood patch with A -> C feathers. Wing + tail molt
- collected near Arctophila pool + wet grassy
troughs - so. of Wolf - near Elson.

1212 ♀ Juv. Erolia alpina - light fat - ova <1mm - 51.2
- collected in Central marsh - so.
end

Holmes, R.
1961

Catalog

23 July Barrow, Alaska

1213 ♂ Erolia alpina - T=3x1.5mm - no fat - bill=32mm 50.8

crown O→D; dorsum O→C; rump O→C; upper tail cov O→C; Throat O→C; belly O→C; under tail coverts O→A. wing but no tail molt Brood patch regressing with C feathers - scattered - single bird coll. No. of ookpik - feeding around Arctophila pond - surrounded by Dupontia marsh

1214 ♂ Erolia alpina - T=3x1.5mm - no fat 48.6

Crown, dorsum, rump + upper t. cov. O→C; Throat O→C breast O→A; under tail coverl O→C; brood patch regressing - with C feathers - scattered. Wing + tail molt - B.R.

1215 ♂ Erolia bairdi - T=2x1mm - very light fat 32.9

crown O→A - no other body (or wing or tail) molt) brood patch regressing but no incoming feathers

24 July Barrow, Alaska

1216 ♂ J. Erolia alpina - T=1mm - no fat 48.2

coll. in fertilizer plots

1217 ♀ Juv. Erolia bairdi - ova <1m — light fat 30.6

- BR - traplines

1218 ♂ Erolia alpina - T=3x1mm. very light fat 50.2

fam. D-B molt - dorsum + crown - no other body molt. wing but not tail molt. brood patch regressing

1219 ♀ Juv Erolia alpina - ova <1mm - light fat 31.1

1220 ♂ Juv " " - T=1mm - light fat 29.6

- above 3 coll. in Cent. marsh - just so. of the magnetic station. -

Holmes, R.
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24 July Barrow, Alaska

1221 ♂ Erolia bairdi - T=1.5mm - light fat 38.4
crown O->D; dorsum O->C->D; rump O; throat O->E
breast O->C->D; brood patch refeathering with A.
scapulars O->C->D. Coll. on B.R.

25 July Barrow, Alaska

T-6 B.R. 1222 ♂ Juv. Erolia bairdi - T=1mm. light fat 28.5
1223 ♂ " " " - T=1mm " " 31.2
T-6 B.R 1224 ♀ " Ereunetes pusillus - ova <1mm - light fat 23.6
1225 ♀ J. Erolia alpina - ova <1mm - light fat 36.9

26 July Barrow, Alaska

1226 ♂ Erolia alpina - T=1.5x1mm - no fat 55.3
crown O->C->D; dorsum O->C; rump O->D; upt-cov. O->C;
Throat-O; breast O->C; brood patch refeathering with C.
wing + tail molt.

1227 ♂ Erolia alpina - T=3x1mm - no fat 50.9
crown O->C->D; dorsum O->B; rump O->C; up. t.-cov.
O->A; Throat O->; breast O->B; under tail cov.
O->C; brood patch refeathering with C. wing
molt - tail molt completed?

1228 ♀ Erolia alpina - ova <1mm - no fat 54.8
crown O->C; dorsum O-A; rump O->C; upt-cov C-D
throat O-A; breast O->B->C; und. t-cov. O->C;
b. p - with C + D feathers. Wing + tail molt

1229 ♂ Erolia alpina - T=2x1mm - no fat 53.5
crown O->D; dorsum O->D->E; rump O->D
up. t. cov C-D-E; throat O->B->D; breast O->B->D
und-t-cov B->D. B.P. refeathering
wing molt. - tail molt compl.

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26 July Barrow, Alaska

1230 ♀ Erolia alpina - ova to 1mm - no fat 55.6 + stom.
Crown 0->C ; dorsum 0->B ; rump 0->B ; up-t. cov 0->C
Throat 0->C ; breast 0->A ; BP - regressing w. m D.
und. t. cov A->D . wing + tail molt

1231 ♀ Erolia alpina - ova <1mm - no fat 50.0 + stom.
crown 0->C->D ; dorsum 0->C ; rump 0->C->D ; up-t. cov
C->D ; Throat 0->C ; breast 0->C ; und-t. cov C ;
brood patch refeathering (D). wing + tail molt

1232 ♀ Erolia alpina - ova to 1mm - no fat - 60.7 + stom
Crown 0->A->C ; dorsum 0->C ; rump 0->C ; up-t. cov
C->D ; throat 0 ; breast 0 ; B.P - regressing.
und. t cov 0->A->C . wing + tail molt.

above 7 RB coll. 300 yds west of the Wanigan at Ikroavik Lake - feeding on the No. side of the ridge + on the lower flatlands. - mostly seen pecking at dry surfaces - not in very moist places.

28 July Gull Lake, inland from Cape Lisbourne, Alaska (Ipewik R. 50 mi SE of)

1233 ♂ Imm Ereunetes mauri(?) - T=1mm - no fat 21.7
1234 ♂ " " " " " 21.1
1235 ? " " " " 23.5

30 July Barrow, Alaska

1236 ♀ Erolia alpina - ova to 1mm - no fat - brood patch regressing + refeath - 64.6

1237 ♂ " " - T=1.5mm - no fat 51.3
brood patch regressing

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30 July Barrow, Alaska

1238 ♀ Erolia alpina - ova to 1 mm - no fat - B. P. - regress. 56.7
1239 ♂ " " - T = 1.5 mm - " " - " " - 54.6
1240 ♀ " " - ova <1 mm - " " - " " - 60.0

above 5 specimens from pass N. of Birnick - also ↓

1241 ♂ 1st yr? Ereunetes mauri - T = 1 mm - Heavy fat - 31.9
B. P. - regressing

1242 ♂ - I Ereunetes mauri - T = 1 mm - no fat 24.7

31 July Barrow, Alaska

1243 ♂ Juv. Erolia alpina - T = 1 mm - light fat 44.8
1244 ♀ Erolia alpina - ova to 1 mm - no fat - B. P. - refeat. 58.0
1245 ♀ " " <1" - 1 mm " " " " " " " " 57.2

above 3 + JOS #32 taken from a flock of 18 RB - feeding among the low center polygons, west of T IIIA + B.

1246 ♀ Juv. Erolia alpina - ova <1 mm - no fat - 22.3
young chick - coll. near vom (T-IIIA)

30 July Barrow, Alaska

1247 ♀ J. Ereunetes pusillus - ? ova <1 mm - mod. fat 25.9
1248 ♀ I " " - ova <1 mm - mod. fat 25.0
1249 ♀ Juv. " ~~mauri~~ " - " " - light fat 26.9

- #1247 - showed aggressive action toward 1249, in same fashion as mauri in courtship ground. see sp. accts.

all 3 from area N. of Birnick.

2 August Barrow, Alaska

1250 ♀ Juv. Ereunetes mauri - ova <1 mm - no fat 27.0
Coll. No. 1 Britton's Area - gravel beds.

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2 August Barrow, Alaska

1251 ♂ Juv. Erolia alpina - T = 1mm - no fat ~45g.
Post-Juv. molt beginning. Crown O->A; dorsum O->C;
rump O->C; Thr O->B; breast O->C. No wing or tail molt.
coll. N. of Footprint - in wet troughs region.

3 August Barrow, Alaska

form. 1252 Arenaria interpres 151.7
wings + T - not saved. B.P. - refeath.
1253 ♂ Erolia alpina - T = 2x1mm - light fat - bill = 32mm 58.3
B.P. - refeath.
1254 ♂ " " - T = 1½x1mm - very " " - bill - 29mm 53.4
B.P. - refeath.
1255 ♀ " " - ova < 1mm - no fat - bill = 34mm 57.2
1256 ♀ " " - " " - " " BP - refeath. 57.3

above 5 + 3 below collected 1 mi. 100 f
Birnich among the polygonal pools.

bill = 21mm
1257 ♀ Juv. Ereunetes mauri - ova < 1mm - no fat 24.0 ~~57.2~~
no Molt
1258 ♀ " " " - " " - " " 22.5
1259 ♂ " " " - T < 1mm no fat or molt 22.3

no molt
Centr m. 1260 ♂ Imm. Erolia melanotos - T - 1mm - mod. fat - 72.2
no molt
1261 ♂ Imm Erolia " T. 1½mm light fat 67.7

2 August Barrow, Alaska

no molt
1262 ♀ Imm Erolia melanotos - ova < 1mm - light fat - 56.4
- coll. E. of insect plots near drum with flag

4 August Barrow, Alaska

B-P refeath.
Voth A 1263 ♂ Erolia alpina - T = 1.5mm - no fat - bill - 32m - bill = 32mm 51.3
Ins. plots P-F 1264 ♀ Juv. " melanotos - ova < 1m - no fat - no molt - 57.2

7 August Barrow, Alaska

1265 ♀ Juv. Erolia alpina - ova < 1mm - no fat 53.7
- coll. in marsh, sedge flats S. of [illegible]

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7 August Barrow, Alaska
1266 ♂ Erolia alpina -T=2mm- no fat - 54.1
B.P. refeath (-A) · 1 of flock 19 - in Ookpik Slough
1267 ♀ ____ ____ - ova<1mm - no fat - B.P. refeath. 57.5
from So. 1 Ookpik - so 1 "census plot" - 1 of 15. - marshy Tundra
1268 ♀ ____ ____ ova 1mm - no fat - B.P. refeathern 59.5
left 6 5 4 3 2 1 1 2 3 4 5 6 right
E 1/4c 3/4c m E E E E E 1/2c 1/3c 1/4c Dorsal view
uneven tail molt - 1/9 - coll. in ookpik slough
1269 ♂ ____ ____ -T=2x1mm- no fat - B.P. regressing + refeath. - 57.4
1/9 from ookpik slough
1270 ♂ Imm Pluvialis dominica -T=3x1mm · very light fat - 141.4
juv. plumage nearing completion (gold-sp. feathers in D stage = crown + dorsum). · coll. So. ookpik
FTP 1271 ♂ Imm. Erolia melanotos · T=1mm no fat or molt 67.3
-Ikroav. 1272 ♂ " ____ ____ - T=1mm - no fat or molt 72.8
July Barrow (Deadman's ?), Alaska - D.A. Mulle
Xema sabinii
Imm. - ♀ - ova < 1mm - no fat - no molt 159.3
Imm ♀ " " " - light fat - " " 147.1
2 Ads - 175.5 + 179.6 - light body molt, head molting more heavily

Rissa tridactyla 388.2
♂ Imm - gen'l body molt O→C. No wing or tail molt
- light fat
T = 3x1mm

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8 August Barrow, Alaska

1273 ♂ Imm *Erolia alpina* - T = 1.5 mm - molt - no fat 50.2

- coll. just No. of Pond M. - U of's Area.

9 August Barrow, Alaska

1274 ♂ *Erolia alpina* - T = 2 x 1 mm - mod. fat - BP - retain. 64.4

1275 ♂ ___ ___ - T 1.5 x 1 mm - no fat - BP - " 54.8

Wing molt? coverts rg! 1276 ♂ ___ ___ - T = 1.5 x 1 mm - light fat - B-P " 59.5

above 3 from floor of 30 - E of insect plots

1277 ♂ Imm *Erolia alpina* - T - 1 mm - no fat - no molt 48.8

1278 ♀ Imm ___ ___ - ova < 1 mm - no fat - body molt 54.8

1279 ♀ Imm *Ereunetes mauri* - ova < 1 mm - no fat 25.8

crown o-sc ; dorsum o-sc ; throat 0 ; breast 0

rump 0 - no wing or tail molt

— above 3 coll. from gravel pit near Britta's Area

(correction *mauri* was from area E of Insect plots)

14 Aug Barrow, Alaska

1280 ♂ Imm. *Erolia alpina* - T - 1 mm - no fat · molt - 48.4

coll. angaslurie ridge - T - 2.

15 Aug Barrow, Alaska

1281 ♀ Imm *Erolia alpina* - ova < 1 mm - no fat - molt - 59.8

- coll. in So. Footprint Lake

1282 ♀ Imm ___ ___ - ova < 1 mm - no fat 50.8

just completing the juv. molt (into juv plumage)

1283 ♂ ___ ___ - Testis 1 mm - no fat - molt 59.7

Tape worms - # 1282, 1283, + 505 66 -

coll. together (family group) in a wet

trough area No. of Footprint Lake -

Some [illegible] ponds nearby

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16 Aug Barrow, Alaska

1284 ♀ Juv. Erolia alpina ov. 2/mm no [illegible] molt 61.4
gasline - T-2

17 Aug Barrow, Alaska

1285 ♂ Imm Erolia melanotos - T=1.5mm - light fat - no molt 72.9
coll in central marsh

1286 ♀ Imm Pluvialis dominica - ova <1mm - mod. fat - 190.5 g
coll. in central marsh - several (4) Prionocera in esophagus.

18 Aug Barrow, Alaska

1287 ♂ Erolia alpina - T=1.5mm - no fat - B.P. - [illegible] 57.1 g
1288 ♂ ____ ____ - T=1.5mm - very light fat - " " - 60.0 g
1289 ♀ ____ ____ - ova 1mm - light fat " - 67.3 g
1290 ♂ ____ ____ - T=1.5mm - mod. fat - ? - 64.0 g
1291 ♀ Juv. ____ ____ - ova <1mm - no fat - molt 60.2 g
87-91 coll. from [illegible] 45, feeding in low polygon - wet [illegible] area, just N. of [illegible] slough.

1292 ♂ Juv. ____ ____ - T=1mm - no fat - molt 53.9
1293 ♂ Juv. ____ ____ - T=1mm - no fat - molt 54.2
1294 ♀ Juv ____ ____ - ova <1mm - light fat - molt - 63.9
in formalin - 1295 Juv. ____ ____ 62.8

20 Aug Barrow, Alaska

fert. plots {
1296 ♂ Juv. Phalaropus fulicarius - T-1mm - empty stom. no fat 30.7
1297 ♀ Juv. Erolia alpina - ova <1mm - no fat - molt - 42.3
1298 ♂ ____ ____ - T=1mm - light fat - " - 59.9
}

21 Aug Barrow, Alaska

Voth {
1299 ♂ Imm Erolia melanotos - T=1mm - light fat - no molt - 80.7
1300 ♀ Imm Pluvialis dominica - ova <1mm - no molt 209.2
mod. fat
}

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5 July T-3 Ice Island, ~70 mi N. of Pt. Barrow, Alaska
1301 ♂ Erolia melanotos (?) · T = 4 mm – no fat – 44.7
crown O→A; dorsum O→A; rump O→A; throat O→A; breast O→A.
coll. by Robert Page – ice island scientist (physicist?) – quote "Bird found on T-3 July 5th. Found in weak condition on the ice beside a trailer. It had perhaps flown into the trailer."

22 Aug Barrow, Alaska
Duck-Camp Ponds { 1302 ♂ Imm Erolia alpina – T = 1 mm – light fat 57.0
1303 ♀ Imm Crocethia alba – ova 1 mm – light fat 63.0
– no molt – good juv. plumage · wings – t saw

23 Aug ~~1304~~ Barrow, Alaska
1304 ♂ Imm Phalaropus fulicarius – T = 1 mm · Very 46.9
light fat – molt dors. + vent.

24 Aug Barrow, Alaska
1305 ♀ Erolia bairdi – ova 1 mm – no fat – no molt 35.3
(body molt may be comp. ?)

26 Aug Barrow, Alaska
Photographed 8-27 { 1306 ♀ Calcarius lapponicus · ova 1 mm · light fat 28.9
– some (C) molt on ventral track
40± med. chironomids in stom.
1307 ♂ – Juv? Plectrophenax nivalis – T = 1.5 mm – very light fat 41.2
– molt in advanced stages (C · D – E)

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23 Sept. Berkeley, Alameda Co., California

1308 ♀ Ereunetes mauri - ova <1mm - light fat - 30.5
bill = 28mm - molt (body + tail) caecae 31;32 - dark green

1309 ♂ ______ ______ - T = 1.5 mm - heavy fat 36.9
bill = 24mm - body molt caecae 31;27 - clear

1310 ♂ ______ ______ T = 2mm - moderate fat 28.1g
caecae 26;24 (green) body molt - bill = 23 mm

1311 ♂ ______ ______ T = 1.5mm - light fat 26.3g
body + wing molt; bill = 22.5 caecae 24;24 (greenish)

1312 ♀ ______ ______ ova 21mm - light fat 29.7g
body + wing molt, bill - 26mm - caecae 31,32mm (clear)

1313 ♀ ______ ______ - ova <1mm - heavy fat 37.8
body molt; caecae 34;36 (clear) bill = 27mm

1314 ♂ I ______ ______ - T = 1mm - light fat 26.5g
body molt, caecae 25:26 (green) - bill = 23mm

1315 ♂ Ad ______ ______ - ♂ - T = 2mm - light fat 24.5g
body - wing molt; caecae 24,23 (clear) bill = 22mm

1316 ♂ Ad. ______ ______ T = 2mm - no fat 26.9g
body + wing molt; caecae 27,31 (green) - bill = 21.5

1317 ♀ I ______ ______ - ova <1mm - light fat 29.9g
body + tail molt; caecae 23,24 (green) - bill = 27mm

1318 ♂ Ad ______ ______ T = 1.5mm - mod fat 28.6
body molt; caecae 28,26 (clear) - bill = 22mm

1319 ♂ Ad ______ ______ - T = 1.5mm - light fat 28.8g
body molt; caecae 24 + ? - (clear) bill = 23mm

1320 ♂ ______ ______ T = 1.5mm - light fat 28.2
body molt, caecae 27,29mm (clear) - bill = 23mm

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23 Sept. Berkeley, Alameda Co, California

1321 ♀ Ereunetes mauri - mod. fat - ova <1mm 29.1
body molt frozen for 2 weeks

1322 ♂ Erolia minutilla - T=1mm - no fat 20.5
body molt

1323 ♂ ______ ______ T=1.5mm - light fat 21.9
body molt

1324 ♂ ______ ______ - T=1mm - light fat - 21.9
body + tail molt - frozen for 2 weeks

1325 ♂ Juv. Erolia melanotos - T=1.5mm - mod. fat 73.5g
no body molt - in rusty plumage as in breed. - gds. - frozen for 2 weeks

8 October Berkeley, Alameda Co., California

1326 ♀ I ? Erolia minutilla - ova <1mm - very light fat - 23.2
body molt; no wing or tail molt.

1327 ♂ ______ ______ - T=1mm - light fat - 22.8
- body molt only

1328 ♂ Ereunetes mauri - T=1mm - light fat 29.1
body molt caecae 29, 27 - green tips bill=24.0 mm

1329 ♂ ______ ______ T = 1mm - mod. fat 29.9
body molt ; caecae 29, 24 - green bill=23.0 mm

12 Oct Berkeley, Alameda Co., Calif.

1330 ♂ I Erolia alpina - T=1mm - light fat - bill=35mm 52.5
caecae 37, 35 - light green - no molt Tapeworm

1331 ♂ I ______ ______ - T=1.5mm - light fat - bill=37mm 52.7
caecae 39, 39mm - green at tip, clear at base - no molt

1332 ♀ I ______ ______ - ova <1mm - light fat - bill=44 60.5g
caecae 39, 45mm " " " " " - no molt Tape worms

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12 Oct. Berkeley, Alameda Co, California

I 1333 ♀ I. *Erolia alpina* - ova <1mm - light fat - bill: 41.5mm 60.3g
caecae 38,43mm - green at tips - no molt

Ad 1334 ♂ - Ad. ______ ______ - T=1mm - light fat - bill = 36mm - 53.5g
caecae 30,37mm - clear - no molt

Ad 1335 ♀ Ad ______ ______ - ova <1mm - bill=39mm 58.8
caecae 42,42mm - green tips - few Tapeworms - not saved

I 1336 ♀ I ______ ______ - ova <1mm - very light fat - 53.5g
caecae 37,40mm - green tips - no molt - bill = 38mm

I 1337 ♀ I ______ ______ - ova <1mm - light fat 58.5g
caecae 42,37mm - no molt bill = 39.5mm

I 1338 ♀ I. ______ ______ - ova <1mm - light fat 59.8g
caecae 35,35 - colorless - no molt - bill = 38mm

A 1339 ♀ I (spot) ______ ______ - ova <1mm - no fat 54.1g
caecae 46,49mm - clear - no molt - bill = 44mm Tapeworms

I 1340 ♀ I ______ ______ - ova <1mm - mod. fat 64.5g
caecae 38,41mm - green tips - no molt - bill = 41mm tapeworm

I 1341 ♀ I. ______ ______ - ova <1mm - no fat 58.9
caecae mashed no molt —

? 1342 ♀ I ______ ______ - ova <1mm - no fat 53.1
caecae 28,30mm - green tips - no molt. Tapeworms - few not saved

I 1343 ♀ I ______ ______ - ova <1mm - light fat 60.2
caecae 42,43 - clear - no molt - bill = 44mm - Tapew - not saved many

Ad 1344 ♀ I ______ ______ - ova <1mm - very light fat 51.4g
- caecae 34,27mm - light green tips - no molt - bill = 40mm

I 1345 ♀ Ad ______ ______ ova <1mm - light fat 60.2
caecae mashed - no molt

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12 Oct Berkeley, Alameda Co., California

I 1346 ♂ I Erolia alpina - T= 1.5mm - light fat 51.1g
No molt (scap.- blotched with red feathers - but no molt)
bill = 36mm

1347 ♂ I? Ereunetes mauri - T= 1mm - very light fat - 27.0g
body & tail? molt. - bill = 22mm

1348 ♀ Ad ______ ______ - ova <1mm - light fat 31.6g
body molt - bill - 28.5mm

1349 ♂ I - ______ ______ T=1mm ~~ova <1mm~~ - mod. fat 31.0g
body molt - bill = 23mm

1350 ♂ I ______ ______ - T= 1mm - light fat 27.4
body molt bill = 22.5mm

1351 ♂ A ______ ______ T= 1mm - mod. fat - 29.3
body molt bill = 23.5mm

1352 ♀ Erolia minutilla - ova <1mm - light fat - body molt 24.6
1353 ♂ ______ ______ - T= 1mm - very light fat - " - 22.4
1354 ♂ ______ ______ T= 1mm - " " " - " - 20.1g
1355 ♀ ______ ______ ova 1mm - " " " - " - 25.4g
1356 ♂ ______ ______ T= 1mm - light fat - " 23.6
1357 ♂ ______ ______ T= 1mm - light fat - " 22.2

Ad. 1358 ♂ Ad Erolia alpina - T= 1mm - light fat. 32.5
No molt - bill = 38mm

1962 - CATALOG

Holmes, R
1962

Catalog

4 April Emeryville, Alameda Co. Calif

1360 ♂ Ereunetes mauri - T=2x1mm - light fat - body molt 30.0 (b = 24mm)
1361 ♂ " " T=2x1mm - no fat - " " - 27.8
bill = 23mm cloacal 33, 34mm - black
1362 ♂ ___ ___ T = 2x1mm - verylight fat 28.9
body molt - bill = 22mm
1363 ♂ ___ ___ T = 1.5x1mm - light fat 31.9
body molt, bill 23mm
1364 ♂ ___ ___ T = 1.5 x 1mm - very light fat - 28.1
body molt; bill = 24mm
1365 ♀ ___ ___ - ova to 0.5mm - no fat - 27.2
bill - 28mm - body molt completed
1366 ♀ ___ ___ ova <1mm - very light fat 31.7
bill = 29mm - body molt
1367 ♂ ___ ___ T = 2x1mm - very light fat - 24.4
no body fat b = 23mm
1368 ♂ ___ ___ T = 2x1 mm - very light fat 27.7
body molt b = 22mm
1369 ♂ ___ ___ T = 1.5x1mm - very light fat - 25.8
body molt b = 24mm
1370 ♂ ___ ___ T = 2x1mm - very light fat 22.8
body molt b = 23mm
1371 ♂ ___ ___ T = 1.5mm x 1mm - no fat - 28.5
body molt b = 26mm
1372 ♂ ___ ___ T = 2x1mm - light fat 29.0
body molt b = 21m
1373 ♂ ___ ___ T = 1.5x1mm - light fat 34.1
body molt b = 25mm

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4 April Emeryville, Alameda Co., California

1374 ♀ Erolia alpina - ova 2 1mm - very light fat 54.5
body molt just beginning - none showing externally

1375 ♂ ______ ______ - T = 1x1.5 mm - light fat 54.9
body molt

1376 ♀ ______ ______ ova 1mm - light fat - molt 57.9
bill 39mm caecae 44, 42 - green at tip

1377 ♀ ______ ______ - ova to 1mm - very light fat - 54.3
no molt; bill = 36.5 mm; caecae 46, 44 - green at tip

1378 ♀ ______ ______ - ova to 1m - light fat 61.6
caecae 47, 49 mm - all green; molt; bill = 40 mm

1379 ♀ ______ ______ ova to 1mm - light fat 55.1
caecae 46, 43 mm - "pink"; molt; bill = 39.5

1380 ♀ Ereunetes mauri - ova to 1mm - light fat - 30.6
molt nearing completion

1381 ♂ ______ ______ T = 3 x 1.5 mm - light fat 25.1
molt; flat skin saved

1382 ♂ ______ ______ T = 1.5 x 1mm - moderate fat 27.5
molt; bill = 23 mm

1383 ♀ ______ ______ ova to 1mm - light fat 28.8
molt; bill = 25 mm

1384 ♂ ______ ______ - T = 2 x 1mm - moderate fat - 27.1
molt; bill = 21 mm

1385 ♂ ______ ______ T = 1.5 x 1m - very light fat 25.8
molt; bill = 24 mm

1386 ♂ ______ ______ T = 3 x 1 mm - light fat 25.4
molt; bill = 23 mm

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4 April Emeryville, Alameda Co., California

1387 ♂ Ereunetes mauri - T = 2.5 x 1mm. light fat 26.4
molt; bill = 24 mm

1388 ♀ ______ ______ - ova to 1mm - light fat. 27.6
molt; bill = 27mm

1389 ♂ ______ ______ - T = 1.5 x 1mm. light fat 28.0
molt; bill = 21mm

1390 ♂ ______ ______ T = 3 x 1.5 mm; very light fat 24.9
molt - flat skin saved

1391 ♂ ______ ______ T = 2.5 x 1mm - light fat 25.2
molt; bill - 22mm

1392 ♂ ______ ______ T = 3 x 1mm - very light fat 24.4
molt heavy, bill = 21mm

1393 ♂ ______ ______ 3 x 1.5 mm - light fat 25.2
molt completed; bill = 24mm

1394 ♀ ______ ______ ova <1mm - light fat 30.0
molt completed - bill = 27.5 mm

1395 ♀ Erolia alpina - ova <1mm. very light fat 59.9
molt beginning: bill = 42mm

1396 ♀ ______ ______ 63.4
molt just beginning: saved in formalin bill = 43

1397 ♂ ______ ______ T = 2.5 x 1mm - very light fat 52.9
molt bill = 37mm

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Catalog

3 March Emeryville, Alameda Co., California

1398 ♀ Ereunetes mauri - ova <1mm · very light fat 27.4
no molt; saved as flat skin

1399 ♂ ________ ________ T= 1 x .5 mm . very light fat - 23.5
no molt : bill = 23mm

1400 ♂ ________ ________ T = 1.5 x 1mm - very light fat - 22.8
no molt bill - 23 mm

1401 ♂ ________ ________ T = 1.5 x 1mm - light fat 22.5
molt beginning · bill = 22mm

1402 ♂ ________ ________ T = 1 x .5 mm - very light - 24.1
no molt ; bill = 22.5 mm

1403 ♂ ________ ________ T = 1 x 0.5 mm - light fat - 21.9
molt (see datasheet) ; bill - 24mm

1404 ♂ ________ ________ T = 1.5 x 1 mm - very light 23.7
molt just beginning ; bill - 22mm

1405 ♂ ________ ________ T = 1 x .5 mm - no fat 21.5
no molt ; bill = 22.5

1406 ♂ ________ ________ - T = 1.5 x 1 mm - no fat 21.4
no molt ; bill = 22.2

1407 ♂ ________ ________ - T = 1.5 x 1mm - no fat - 20.0
molt (see data sheet) ; bill = 23mm

1408 ♂ ________ ________ T = 1 x .5 mm - no fat 21.6
molt just starting ; bill 22 mm

1409 ♂ ________ ________ T = 1 x .5 mm - no fat 20.1
no molt ; bill - 22mm

1410 ♂ ________ ________ - T = 1 x .5 mm - no fat 22.6
no molt ; bill - 22.5 mm

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✓ 2.

3 March Emeryville, Alameda Co., California

1411 ♀ Ereunetes mauri - ova <1mm - very light fat - 26.4
no molt; bill = 24mm

1412 ♂ ______ ______ - T = 1.5 x 1mm - no fat 22.3
no molt; bill = 22mm

1413 ♂ ______ ______ T = 2 x 0.8mm no fat 22.6
no molt; bill = 23mm

1414 ♂ ______ ______ - T = 1 x 0.3mm very light fat - 24.5
no molt; bill = 22.5mm

1415 ♂ ______ ______ T = 1 x 0.5mm very light fat - 21.6
no molt; bill = 20.5mm

/

1416 ♀ Erolia minutilla - ova <1mm - no fat 18.5
no molt; bill = 18mm

1417 ♀ ______ ______ - ova <1mm - very light fat 19.6
no molt; bill = 17.5mm

1418 ♂ ______ ______ T = 1 x 0.5mm - no fat 17.4
no molt; bill = 18mm

1419 ♂ ______ ______ T = 1 x .3mm - very light fat 17.3
no molt; bill 17mm

1420 ♂ ______ ______ - T = 1 x 0.4mm - very light fat 16.85
no molt; bill 18mm

1421 ♂ ______ ______ T = 1 x 0.3mm - very light fat 18.4
no molt; bill = 18mm

1422 ♂ ______ ______ T = 1 x 0.6mm - very light fat - 19.1
no molt; bill = 17

1423 ♀ ______ ______ - ova <1mm - no fat 20.9
molt beginning; bill = 18

RTH ✓ 3+7

3 March Emeryville, Alameda Co, California

1424 ♀ Erolia minutilla - ova <1mm - very light fat 23.5
no molt; Bill = 17.5m

1425 ♀ ______ ______ - ova <1mm - very light fat 20.9
no molt; bill = 18mm

1426 ♀ Charadrius vociferous - ova to 3mm - light fat 96.9
molt: dorsum 0-c-E; Throat 0→c; breast 0-0-E

4 April - See previous catalog page

30 April Emeryville, Alameda Co., California

1427 ♂ Erolia alpina - Testis 7 x 4mm - moderate fat - 64.6g
molt completed

1428 ♀ ______ ______ - ova to 1.5mm - mod. fat 77.1
molt nearing completion bill = 42mm

1429 ♀ ______ ______ - ova to 1mm - heavy fat 76.5
molt nearing completion, but breast only spotted & no new molt starting.

1430 ♀ ______ ______ - ova to 1mm - Heavy fat 85.1
molt terminating

1431 ♀ ______ ______ ova to 1.5mm - mod. fat 65.0
molt terminating; bill = 37mm

1432 ♂ ______ ______ T = 6.5 x 3.5mm - mod. fat 67.0
molt terminating; bill = 35mm

1433 → ♀ Ereunetes mauri - ova to 1mm - mod. fat - 36.4
molt terminating; bill = 27mm

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30 April Emeryville, Alameda Co., California

1434 ♀ Ereunetes mauri - ova to 1mm - mod. fat - 35.8
moult terminating - bell = 26mm

1435 ♀ ______ ______ ova to 1mm - mod. fat 29.9
moult terminating - bell = 26mm

1436 ♀ ______ ______ ova to 1.5mm - mod. fat 30.7
moult terminated - bill = 27.0

1437 ♀ ______ ______ ova to 2mm - mod fat 37.5
moult terminated - bell = 26mm

1438 ♀ ______ ______ ova to 2mm - mod. fat 30.9
moult terminated ; bell = 27mm

1439 ♀ ______ ______ - ova to 2mm - heavy fat 38.1
moult terminating ; bill = 26mm

1440 ♂ ______ ______ T = 5x3mm - mod. fat 30.3
moult terminating ; bell = 22.5

1441 ♂ Erolia alpina T = 5 x 2.5 mm - mod. fat 66.7
moult terminating

1442 ♀ ______ ______ - ova to 1mm - light fat 63.1
moult well along ($\frac{2}{3}$) - flat skin

1443 ♂ Ereunetes mauri - T = 4x2mm - light fat 25.9
moult terminating ; bill = 23mm

1444 ♂ ______ ______ T = 4x2m - heavy fat 32.7
moult terminated ; bill = 23mm

1445 ♂ ______ ______ T = 5x3m - heavy fat 36.2
moult terminated ; bill = 23mm

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30 April Emeryville, Alameda Co., California

1446 ♂ *Ereunetes mauri* - T = 5 x 2.5 mm - light fat 25.9 g
molt terminated ; bill = 25 mm

1447 ♂ ——— ——— T = 6 x 3.5 mm - moderate fat - 28.9 g
molt terminated ; bill = 22 mm

1448 ♀ ——— ——— ova to 1 mm - moderate fat - 31.1 g
molt terminated ; bill = 27 mm

1449 ♂ ——— ——— - T = 3 x 1.5 mm - moderate fat - 29.5
molt terminated ; bill = 22 mm

1450 ♀ ——— ——— ova to 1 mmm - heavy fat 37.7
molt terminated ; bill = 26.5

1451 ♂ ——— ——— T = 5 x 3 mm - moderate fat 33.8
molt terminating ; bill = 23 mm

1452 ♀ ——— ——— ova to 1 mm - mod. fat 37.9
molt terminated ; bill = 26 mm

1453 ♀ ——— ——— ova to 1 mm - mod. fat 33.7
molt terminated ; bill = 28 mm

1454 ♂ ——— ——— T = 4 x 2 mm - mod. fat 31.4
molt terminated ; bill = 23 mm

1455 ♀ ——— ——— ova to 1 mm - heavy fat 41.5
molt terminating ; bill = 27.5

1456 ♀ ——— ——— ova to 1.5 mm - mod. fat - 32.3
molt terminated ; bill = 27 mm

1457 ♀ ——— ——— ova to 2 mm - heavy fat 39.4
molt terminating ; bill = 26 mm

1458 ♀ ——— ——— ova to 2 mm - heavy fat 38.0
molt Terminating ; bill = 27 mm

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30 April Emeryville, Alameda Co., California

1459 ♀ Ereunetes mauri - ova to 1mm - light fat - 31.7
- molt; bill = 28mm

1460 ♀ ______ ______ - ova to 2mm - Heavy fat 35.7
molt terminated; bill = 26mm

1461 ♀ ______ ______ - ova to 1mm - mod. fat 32.0
molt terminated (partially); bill = 28 mm

1462 ♂ ______ ______ T = 5 x 3mm - light fat 28.0
molt terminated; bill = 25mm

1463 ♂ Erolia alpina - T = 5 x 3mm - mod. fat. 61.5
molt terminating - flat skin

1464 ♀ Ereunetes mauri - ova to 2mm - mod. fat - 37.8
molt completed; bill =

1465 ♂ ______ ______ T = 5 x 3mm - light fat 28.3
molt terminated; bill = 24mm

1466 ♂ ______ ______ T = 4 x 2mm - heavy fat 32.5
molt terminated; bill = 23.5mm

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Catalog

6 May Marsh between Pt. Campbell & Pt Woronzof, Anchorage, Alaska "Woronzof Marsh"

1467 ♂ Erolia minutilla - T = 7x4mm - moderate fat - 28.0g
no molt

1468 ♂ ——— ——— T = 6x3mm - light fat - 28.4g
no molt; wing saved

1469 ♂ ——— ——— T = 7x4mm - light fat 21.9g
no molt

1470 ♂ ——— ——— T = 7x4mm - light fat 25.2g
no molt; wing only

1471 ♂ ——— ——— T = 6x3mm - light fat - 25.3g
- no molt; flat skin

1472 ♂ ——— ——— T = 6x3mm - light fat - 24.4g
no molt

1473 ♂ ——— ——— T = 6x3mm - light fat - 22.9g
no molt; wing only (saved)

1474 ♀ ——— ——— - ova to 2.5mm - light fat 22.5g
no molt; wing

8 May

1475 ♀ Erolia minutilla - ova to 2mm - very light fat - 24.3
no molt - wing

1476 ♂ ——— ——— T = 8x3.5mm - light fat 24.2
no molt; wing

1477 ♂ ——— ——— T = 7x3mm - no fat 20.3g
no molt; wing

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Catalog

8 May Woronzof Marsh, 4 mi So. of Anchorage between Pt. Woronzof + Pt. Campbell., Alaska - Sea level (on tenile Area)

1478 ♂ Erolia minutilla -T = 8x3.5mm. light fat 25.4g
no molt; wing

1479 ♂ ______ ______ T = 7x3.5mm - very light fat - 21.3g
no molt - flatskin

1480 ♂ ______ ______ T = 8x3mm - very light fat - 21.7g
no molt; flatskin

1481 ♂ ______ ______ T = 9x4mm - very light fat - 22.5g
no molt - flatskin

1482 ♂ ______ ______ T = 9x4mm - mod. fat 27.4
no molt - flatskin

1483 ♂ ______ ______ T = 7x2.5mm - very light fat - 23.2
no molt; wing

1484 ♂ ______ ______ Testis shot. · very light fat 25.8g
no molt; wing

1485 ♀ ______ ______ - ova to 3mm - very light fat . 24.3
no molt; wing

1486 ♂ ______ ______ -T = 7x3mm - very light fat 25.9g
no molt; wing

11 May ______ ______

1487 ♂ Erolia minutilla -T = 8x4mm - very light fat - 18.9
no molt; flatskin

1488 ♀ ______ ______ - ova to 3mm - light fat 23.6
no molt; wing

1489 ♂ ______ melanotos -T = 11x6mm - light fat 74.5
no molt; throat pouch vascular + fatty

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11 May Anchorage, Alaska - Woronzof Marsh
1490 ♂ Erolia melanotos - T = 9 x 5 mm - light fat - 86.6
no molt; throat quite fatty + vascularized - however - not baggy yet.
1491 ♂ ______ ______ T = 8 x 4 mm - very light fat - 68.5
no molt; throat not fatty or vascularized, but skin seems a bit thicker.
1492 ♂ ______ ______ T-mashed. - light fat 76.3
molt; crown E; Back D-E; rump D or E?; throat D-E; breast E. - flat skin - cervical mod. developed
1493 ♂ ______ ______ T = 10 x 5 mm - very light fat - 77.9
molt: crown D-E; back D-E. Rump E or D?; breast D-E; breast D-E. No wing & tail molt
Throat - heavily vascularized + thick coat of fat in the cervical subcutaneous region - Wing
1494 ♂ ______ ______ - T-mashed - very light fat 71.0
molt nearing completion (D-E on dorsum). Throat accumulating fat + vascularization - wing
1495 ♂ Erolia bairdii - T = 7 x 3 mm - light fat 36.4g
.
1496 ♂ ______ ______ T = 10 x 5 mm - no fat - 35.4
molt completed: wing
13 May ______ ______
1497 ♂ Erolia minutilla - T = 7 x 4 mm - very light fat - 21.3g
- molt completed - flat skin
1498 ♀ ______ ______ - ova to 4 mm - moderate fat 30.1g
- molt completed: wing

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13 May Anchorage, Woronzof Marsh, Alaska

1499 ♂ Erolia minutilla -T = 8 x 4.5 mm - mod. fat - 23.5 g
molt completed; wing

1500 ♀ ______ ______ ova to 2 mm - light fat 24.9 g
molt nearly completed (dorsum D-E) - wing

1501 ♀ ______ ______ ova to 2 m - light fat 21.7 g
molt completed; flatskin

15 May Woronzof Marsh, Anchorage, Alaska

1502 ♂ Erolia minutilla -T = 7 x 4 mm - no fat 18.6 g
molt completed; wing.
- gave ground trill & chased a feeder nearby
(in a flock of ~15 feeding birds).

17 May Woronzof Marsh, Anchorage, Alaska

1503 ♂ Erolia minutilla -T = 6.5 x 4 mm - no fat 19.8
molt completed : wing

1504 ♂ ______ ______ T = 7 x 3 mm. no fat 18.0
molt completed: wing (throat - only lightly
spotted - 1st yr?)

1505 ♀ ______ ______ - ova to 4 mm - oviduct en- 26.7 g
larging - very light fat - molt completed - wing

1506 ♂ ______ ______ - T = 6 x 3 mm - light fat 23.7 g
molt completed - wing

1507 ♂ ______ ______ T = 7 x 3 m - ~~light~~ mod. fat - 27.2
molt completed - wing

1508 ♀ ______ ______ ova to 2 mm - light fat 26.3
molt completed wing

1509 ♂ ______ ______ T = 8 x 4 mm - no fat 21.3
molt completed - wing

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17 May Anchorage (Woronzof Marsh), Alaska

1510 ♀ Erolia minutilla - ova to 2mm - light fat - 21.6
molt completed - wing

[illegible] 1511 ♂ Erolia minutilla - ~~ova~~ T = 6x3m - no fat 19.0g
molt compl. - wing

during [illegible] 1512 ♀ ______ ______ - ova to 10mm+ (broken); 24.7g
other ova at 3, ?, 2, <1 - light fat
molt complete - wing
- oviduct greatly enlarged - no brood patch

Single 1513 ♀ ______ ______ - ova to 2mm - light fat - 24.8
oviduct beginning to enlarge - molt
complete - wing

displayed [illegible] 1514 ♀ ______ ______ - ova to 1.5mm - light fat 23.7g
molt complete - ~~wing~~ flat skin

22 May Woronzof Marsh, Anchorage, Alaska

1515 ♂ Erolia alpina - T = 9x5mm - light fat 54.9
part'l feathers molted; others old : no current molt.

Pr 1516 ♀ Erolia minutilla - ova 10+ (broken), 4, 4 - <2 + 2 coll. - 26.8
follicles - no fat - no molt - brood patch partially dev. wing

1517 ♂ ______ ______ T = 8x4mm - no fat - brood patch 21.6
starting to develop. - no molt - wing

Single bird 1518 ♀ ______ ______ Ova 3, 2.5, 2, <2 - no fat 22.0
no molt; wing - brood patch may (?) be dev.

mated 1 of pr. 1519 ♂ ______ ______ T = 7x3 mm - no fat 22.2
no molt - wing. Brood patch well developed

1 of [illegible] 1520 ♀ ______ ______ ova to 2 mm - light fat 26.4
no molt - wing - no brood patch

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22 may Woronzof Marsh, Anchorage, Alaska

2 of 12

1521 ♀ Erolia minutilla - ova to 2mm - no fat 19.1
no molt - wing - no brood patch

1522 ♀ ______ ______ - ova 3.5, 3, 2.5 - <2 - no fat 22.2
no molt - flat skin - no brood patch

1523 ♀ ______ ______ - ova 2.5, 2 - <1.5mm - no fat 20.5
no molt - wing - no brood patch

1524 ♀ ______ ______ - ova <2mm - light fat 25.5
no molt - flat skin - no brood patch

1525 ♀ Erolia melanotos - ova <2mm - no fat 49.2
crown D-E; dorsum D-E; rump O w/o E
throat D-E; breast D-E - wing

1526 ♀ ______ ______ - ova to 3mm - light fat 61.7g
molt completed except for D-E on chest
wing -

1527 ♂ ______ ______ T = 12 x 6mm - no fat 76.5
- throat well vascularized - no molt - wing

24 may Woronzof Marsh, Anchorage, Alaska

1528 ♂ Erolia alpina - T = 10 x 6mm - very light fat 63.4
no molt; flat skin

1529 ♀ ______ ______ - ova to 3mm - very light fat 59.1
no molt; wing

1530 ♀ Erolia minutilla - ova to 3mm - very light fat 22.4
no molt - wing - no brood patch

1531 ♀ ______ ______ - ova 3, 2, <2 - 2 rup'd follicles 26.6
no molt - flat skin - partly dev. brood patch
- very light fat

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24 May Woronzof Marsh, Anchorage, Alaska

1532 ♀ Erolia minutilla · ova 3, 2 <2mm - light fat 31.0
no molt ·

1533 ♂ ______ ______ - T · 7x3mm - light fat 19.5
no molt - wing

1534 ♀ ______ ______ ova · 12?(broken), 11, 3, <2 mm 30.1 g
no molt - light fat - wing

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28 May Barrow, Alaska

S 1535 ♂ Oenanthe oenanthe - Testis 11x6 mm. moderate fat 29.4g

29 May Barrow, Alaska - E...

W 1536 ♂ Erolia melanotos - T = 11x6mm - light fat 90.8
- throat heavily vascularized + fatty - no molt (wing only)

(E... Bluffs)
30 May Barrow, Alaska - bluffs ...

S 1537 ♂ Erolia alpina - T = 9x5mm - very light fat 54.9
sev. winter feathers on dorsum + underparts - no current molt

S 1538 ♂ ______ ______ T = 9x5mm - light fat 53.1
- no molt

1 June Barrow, Alaska

S 1539 ♀ Erolia alpina - ova 7, 4, 4, 3 - <2 mm - very light fat 63.3
no molt - landed with both wings held vertically
+ gave loud display trill as it landed

S 1540 ♂ ______ ______ Testis 12x6 mm - light fat 57.4
no molt - from flock of 6

S 1541 ♂ ______ ______ T = 10x5mm - light fat 54.7g
no molt - from flock 16

2 June Barrow, Alaska

W 1542 ♀ Erolia alpina - ova 3, 2, 2, 1 <1 mm - very light fat 57.4g
fat - no molt bill = 34mm

S 1543 ♂ ______ ______ testis = 9x6mm - very light fat 55.0g
no molt

3 June

S 1544 ♀ Crocethia alba - ova to 2mm moderate fat 72.2

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3 June Barrow, Alaska

S 1545 ♂ Arenaria interpres - T = 11 x 6 mm - light fat 109.6 g
Elson no molt - coll. on Elson Bluff

4 June Barrow, Alaska

W 1546 ♀ Ereunetes pusillus - ova 4, 4 (both heavily -35.4 g
vascularized) 3, <2 mm. 1 collapsed
follicle (checked under dissecting scope).
oviduct well developed (large & vascularized)
no brood patch - moderate fat - no molt -
bill <19 mm - male strongly attached - remained
next to dead bird for several minutes.

W 1547 ♂ ______ ______ T = 6 x 4 mm - very light fat 23.4
no molt - bill = 17.5 mm

S 1548 ♂ ______ ______ T = 7 x 3 mm - light fat 23.5
no molt - bill = 17 mm

S 1549 ♀ Erolia alpina - ova 6, 4, 3.3, <2 mm - 70.2
Elson light fat - no molt but several gray feathers
in scapulars & back.

5 June Barrow, Alaska

S 1550 ♂ Erolia bairdi - T = 11 x 5 mm - light fat 40.9 g
- no molt

W 1551 ♂ Erolia alpina - T = 11 x 7 mm - very light fat - 54.2 g
- no molt - very bill 35 mm
- display - cocked tail sharply when shot

W 1552 ♀ Ereunetes pusillus - ova 7, 2.2, 2 - <2 mm 34.9 g
light fat - no molt - no brood patch
- very small oviduct (3 mm) - is paired to #1536

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5 June | Barrow, Alaska

1553 ♀ I. Larus hyperboreus · ova 1mm · + ≠ · light fat 1323.0g
coll. by. D.A. Mullen in drum area - 4th year Imm. -
in body & wing molt (Primaries 1, 2, 3 - stage C · partly
grown · not forsep. in time (3, 3½, 3½), #4 missing. O, AB on dorsum + ventrum

6 June | Barrow, Alaska

1554 ♂ Erolia alpina T = 10 x 5 - very light fat 50.0
no molt - b.p. - defeathering (not vasc. yet)

1555 ♂ ______ ______ R. T = 5 x 3 m (L.T. - destroyed) 55.2
no molt - very light fat - no b.p.
This duo - went through extensive chasing on grd
& in air - see notes

7 June | Barrow, Alaska

1556 ♂ Anthus spinoletta - T 9 x 6mm - light fat 24.5g
(stomach contents: 2 - 8mm chironomid larvae; 4+ Adult
carabid beetles)

1557 ♂ Erolia melanotos T = 13 x 7mm · light fat - 103.1
throat heavy vasc. + well developed: no molt

1558 ♂ ______ ______ T = 13 x 6mm · no fat - 94.3g
throat well developed (Tip in Esoph. - vis. pin)

1559 ♂ ______ ______ 11 x 4 mm - light fat 89.5g
throat well developed - no molt

8 June | Barrow, Alaska

1560 ♂ Erolia ferruginea - T = 9 x 4mm - light fat - 61.7g
no molt; no brood patch

1524 ♂ Erolia alpina - T = 11 x 6mm - light fat - 56.3g
no molt ; no brood patch

Holmes, R
1962

Catalog

9 June Barrow, Alaska

S 1562 ♂ I. Steganopus tricolor - T = 9 x 5 mm - very light fat. 47.6
no molt - apparently 1st year. 16 sm. chironomid

1563 ♀ Erolia fuscicollis - ova 9, 5, 3, 2, < 2 mm. 48.7
light fat - no molt - no development in the throat region.
- displayed to - by another bird in courtship posture

RB Ridge 1564 ♀ Erolia alpina - ova 15, 10, 6 - < 2 mm - light fat 66.3 g
no molt; brood patch cleared - not well develop.

~~1565~~ VOID

12 June Barrow, Alaska

1566 ♂ Erolia bairdi - T = 9 x 5 mm - light fat - 36.0 g
brood patch developing. No molt. Bill = 24 mm

Elson photo 1567 ♂ ______ ______ T = 9 x 5 mm - light fat 36.5
no br. patch. no. molt - bill = 22 mm. aerial display + turning on landing

from flats 1 8
1568 ♂ Erolia melanotos T - 10 x 6 mm - very light fat 109.1 g
No br. patch - no molt. throat heavily vasc. bill = 30 mm

1569 ♂ ______ ______ T = 14 x 8 m - very light fat 99.5
no. br. p. - no molt. throat well dev. + heavily vasc. bill = 29 mm

13 June Barrow, Alaska

Elson photo 1570 ♂ Arenaria interpres. T = 9 x 4 mm - light fat 101.1
brood patch well developed; bird incubating + making excited runs + flights - as I approached. No molt

W 1571 ♀ Erolia alpina - ova: 1 in oviduct; 1 - 14 mm,
1 - 9 mm - 2 coll. follicle (for 1 in oviduct) -
brood patch vasc. not opaque yet

W 1572 ♂ ______ ______ T = 10 x 5 mm - light fat - no molt 55.0
- no brood patch (defeathering) bill = 31 mm

Holmes, R.
1962

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14 June Barrow, Alaska

1573 ♂ Erolia melanotos - T= 11x5 mm. light fat 100.3g
- no molt - no brood patch. - neck heavily vasc.

1574 ♂ ——— ——— T= 14x7mm - light fat 105.5g
no molt - no b.p. - neck heavily vasc.

1575 ♂ ——— ——— T= 12x6mm - light fat 112.6
no molt - no b.p. - neck well vasc.

1576 ♂ Erolia alpina T= 9x5mm - light fat 53.5
b.p. - defeathering - no molt ; bill = 32mm

1577 ♀ ——— ——— ova 7mm - <3mm - light fat 70.0
primaries 1, 2, 3 - 1/3 C - #4 = A - remainder are old
3 collapsed follicles (1 egg - oviduct - 1 to go)
bill = 36mm

1578 ♂ ——— ——— 9x4mm - very light fat 51.6
no molt - bird collected during a strong
mouse-run - on wh-r. sector of B.R. - Brood
patch - developing. ♀ trilled + called
nearby.

1579 ♀ 1st yr. Limosa lapponica - ova 4, 4, 3, <2mm - light fat 338.3g
no molt - coll. at Ikrowik
stomach contents - 40+ 4mm stones + 4 Tipula

17 June Barrow, Alaska

1580 ♂ Ereunetes pusillus T = 7x4mm - light fat - 25.5g
no molt - no brood patch (may be defeathering) bill = 18mm

1581 ♀ ——— ——— - ova <2mm - 4 coll. foll. - light fat 29.7g
- no molt - developing brood patch bill = 18mm

1582 ♂ Erolia bairdii - Testes 8x4mm - light fat 38.8
- no molt - brood patch developing (?)

Holmes, R.
1962

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17 June Barrow, Alaska

1583 ♂ Erolia alpina T=9x4mm-light fat 50.5g
-wing molt; primaries 1, 2, + 3 dropped. (M)

18 June Barrow, Alaska

1584 ♂ Erolia melanotos -T=10x6mm-very light fat 99.6g
-no molt; thr well developed

1585 ♂ ______ ______ T=12x6mm- very light fat 101.5
-no molt; thr. well developed

19 June Barrow, Alaska

1586 ♀ Erolia alpina -ov. <4mm. 4 coll. foll. no fat- 49.6
prim 1,2,3: ⅓C; #4-B; #5 A- #6-0
-intraplume- Vapor Area

21 June Barrow, Alaska

RDR 1587 ♀ Erolia alpina - ov. 5,3, <3mm - 4 foll. light fat 60.0g
primary molt - #1, 2 -A #3+4 = missing. - broodpatch well dev.

RDR 1588 ♂ ______ ______ T=7x3mm - light fat 54.4
prim. molt: #1=M. - broodpatch. mate 1 I QH. - ______

23 June Barrow, Alaska

1589 ♂ Ad. Erolia melanotos - T=8x4mm - very light fat 97.5g
-Throat well developed - no molt

1590 ♂ Ad. ______ ______ T=12x7mm - mod. fat 105.1g
- Throat well developed - no molt

W 1591 ♂ I? (1st yr) ______ ______ T=11x6mm - light fat 94.2g
-Throat heavily vasc. + very fatty - not baggy + could
not be inflated by pump - no molt

W 1592 ♂ I? ______ ______ T=10x4mm - moderate fat 106.1g
Throat heavily vasc. + very fatty - but again not
baggy externally + not inflatable - no molt

Holmes, R.T.
1962

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23 June Barrow, Alaska

W 1593 ♂ I? Erolia melanotos T = 8 x 4mm - mod. fat 90.0g
throat well developed & inflatable although not visible as dead specimen

1594 ♂ ——— ——— T = 10mm - light fat 87.7g
throat developed - not visible - prepared by F.A. Pitelka - body molt

24 June Barrow, Alaska

W 1595 ♂ Erolia alpina - T = 6 x 3mm - very light fat - 50.5
wingmolt #1 = B ; # 2, 3, = A #4 - M - #5 = 0.
broodpatch ++ ; bill = 32mm - gave full aerial display - & trill - landed with wings held vertically

W 1596 ♂ ——— ——— T = 9 x 4mm - very light fat 54.6
primary #1 - missing (& #3 M ~~secondary ...~~) - broodpatch ++
bill = 35.5mm - gave trill on ground & some ree - ree - sequence

W 1597 ♀ ——— ——— - ova 4, 3, < 2 mm - light fat 55.6
oviduct regressed & ovary undergoing regression
wing molt #1, 2, 3 = 1/3 C · #4 = B · #5 - M · #6 = 0
broodpatch well developed.

Ikroavik (1595–1597)

25 June Barrow, Alaska

W 1598 ♂ Erolia alpina - T = 8 x 4mm - light fat 55.5g
broodpatch ++ ; bill = 31mm - primary molt
#1, 2, 3, 4 = 2/3 C , #5 - B, #6 missing

27 ~~17~~ June Barrow, Alaska

W 1599 ♂ Erolia alpina - T = 8 x 4mm - very light fat 51.0
nomolt ; bill = 30mm - broodpatch developed

Holmes, P.
1962

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27 June Barrow, Alaska

1600 ♂ Erolia alpina T=8x4mm - light fat 58.6
primaries 1, 2, 3 = 3/4C, #4 = ½C, #5=A #6 = missing
bill = 35 mm - brood patch well developed

W 1601 ♂ ______ ______ T = 10x6mm - very light fat 52.8
primaries 1, 2, 3 = 2/3C #4=½C; #5=A - Brooding -
B.P. well developed - bill = 35 mm

W S 1602 ♂ Calidris canutus - T=9x5mm - moderate fat 151.5g
- no molt - br. patch cleared - but not developed.

S 1603 ♀ 1st yr. ______ ______ ova to 2.5mm - light fat - 144.0g
several (4) collapsed follicles (?); regressing oviduct;
brood patch cleared but not developed.
- evidence points to early egg laying & then probably
nest failure - since these were wanderers.

29 June Barrow, Alaska

W 1604 ♂ Erolia alpina T = 8x4mm - very light fat 56.9g
primaries 1, 2, 3, 4 - D; #5 2/3C, #6 = A.
broodpatch ++; bill = 36mm

So. B.P. growth 1605 ♀ ______ ______ ova to 4mm - 4 coll. foll. - 1 egg in oviduct - 74.1g
primaries 1, 2, 3 - D; #4 - 3/4C; #5 = ½C. No fat
brood patch developing +; bill = 36mm

1606 ♂ ______ ______ T = 9x4mm - no fat 50.9
primaries 1, 2, 3 - D; #4 2/3 C; #5 = B - no other
molt. br. patch well dev.; bill = 31mm

25 June Wainwright, Alaska -

1607 ♂ Ereunetes mauri - T = 5mm, light fat 26.1g
no brood patch
coll. by J. O. Sullivan - prepared by F. A. Pitelka

Holmes, R.
1962

Catalog

30 June Barrow, Alaska

1608 ♂ Erolia alpina T = 9x4 mm - light fat 51.6g
primaries 1, 2 = 2/3 C ; # 3 = B ; #4 = A ; no other molt
b.p. well developed ; bill = 32 mm

1 July Barrow, Alaska

1609 primaries 1, 2, 3; D # 4 3/4 C - #5 = 2/3 C ; 6 - A -
b.p. well developed ; bill = 33 mm - light fat
♀ Erolia alpina - ova to 3mm - coll. foll. - regressed oviduct 60.4g

3 July Barrow, Alaska

1610 ♂ Erolia bairdi - T = 8x4 mm - very light fat 40.6g
crown D-E ; dorsum D→E ; rump E; D? Breast D-E ; belly D-E
broodpatch well developed.
(molt - pre or post nuptial ? - may have failed in breeding)

B.R.

1611 ♀ ——— ——— - ovary very small - ova to 1.5mm - light fat - 48.5g
crown O-B ; dorsum O-B ; rump - O ; throat O-B
breast O-B . Broodpatch developed

1612 ♀ Erolia alpina - ova 7mm, 4mm + <2mm - 3 coll. follicles 62.7g
primaries 1, 2, 3 = D ; #4 = 4/5 C ; #5 - A
broodpatch cleared but not well developed. light fat

1613 ♂ Juv. Erolia alpina - T = <1mm - no fat 14.2g
- No. Voth Area

No. Voth

primaries 1, 2, 3, = E ; #4 = D ; #5 = 3/4 C #6 = B
1614 ♂ ——— ——— T = 5 x 2.5 mm - very light fat 57.7
Brood patch well developed - no other molt - with
♀ & young - - with #1613.

4 July ♂ Juv. ——— ——— - T = <1mm - no fat 8.2g
1615 - just out of egg - possibly 12-18 hrs old -
from Nest #3.

Voth Area

Holmes, R.
1962

Catalog

4 July Barrow, Alaska

S 1616 ♀ Erolia alpina - ova to 2mm - very light fat 58.0

C.M. - So. of No. B.R. primaries 1→5 = E ; #6 = 4/5 m ; #7 = ½ C. Brood patch well developed

6 July Barrow, Alaska

not saved 1617 ♀ ______ ______ - ova to 1mm (very small) - very light fat 63.1

marsh near Elson primaries 1→5 = E ; #6 = D, #7 - ⅓ C - oviduct apparently regressing - brood patch well dev. - watched feed near Elson Lagoon - a ridge of low-center polygon + a pond edge

7 July Barrow, Alaska

W 1618 ♂ Erolia melanotos T = 9x4mm - very light fat - 91.6 scapulars starting molt (0→A) - no other body molt - no brood patch - throat still fatty + vasculum but not baggy

W 1619 ♀ ______ ______ ova to 6mm - 4 coll. follicle 62.4g - no molt; brood patch well developed - Moderate fat

#1618-1619 were feeding with a flock - the North slopes of B.R. - NE of mag. stat. - feeding records

S 1620 ♀ Erolia alpina - ova to 2mm - light fat 68.8g primaries 1→4 = F ; #5 = 4/5 - C ; #6 = ½ C, #7 = m secondary #1 missing - brood patch well dev.

#1620 + JQH 304 - collected No. of B.R - NE of mag. stat. - in area of polygon + ponds. # 1620 recorded feeding for long period of time.

Holmes, R.
1962

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10 July Barrow, Alaska

1621 ♂ Juv. Erolia alpina - T < 1mm - no fat 10.5 g

1622 ♀ ______ ______ ova 1mm - no fat 58.5 g

primaries 1→5 = E; #6 = B, #7 = A - brood patch well developed - no body or tail molt - with two chicks [#1621 + JQH 305] in block mos-sedge-pond area - So. of south salt lagoon.

1623 ♀ Juv. Erolia alpina - ova < 1mm - no fat 15.7 g

1624 ♂ ___ ___ ___ - T = < 1mm - no fat 16.7 g

1625 ♀ ___ ___ ___ ova < 1mm - no fat 13.7

Above 3 + JQH 306 - collected by D.A. Mueller So. of Wolbachlog - (3 from 1 brood; 1 from another).

1626 ♂ Juv. ______ ______ T = 1mm - no fat 19.6 g

No. BR - NE of mag. station

1627 ♂ Erolia melanotos T = 5 x 7 mm - light fat 96.4

crown 0-A-B; dorsum 0-B; rump 0-A; throat 0-A-B; breast 0-A-C

No B.S. 1628 ♂ Juv. Arenaria interpres - T = 1mm - no fat 13.3

12 July Barrow, Alaska

No. FTP lake 1629 remige are ½" long - with down tufts on tips (1/3 + ♂)
Erolia alpina - Juv - sex? - in alcohol - no fat 22.4 g

N. Voth

1630 ♀ Erolia alpina - ova to 1mm - no fat 48.7 g
primaries 1→5 = E; #6 = D, #7 = ⅓ c; #8 = m 9+10 = 0
secondaries #1 = ½ c; #2 = m — bill = 32 mm. well dev. br. p.

1631 ♀ Erolia alpina - ova to 1mm - very light fat 57.5
primaries 1→5 = E, #6 = D; #7 = ⅓ c; #8-10 = 0; bill = 36mm
secondary #1 = B. no other molt - well dev. br. patch

Holmes, R.
1962

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12 July Barrow, Alaska

1632 ♀ Erolia alpina - ova to 1 mm - no fat 57.6 g
primaries 1→5 = E; #6 = 4/5 C; #7 = 1/2 C; #8 = A, #9-10 = 0
secondaries #1 = 1/2 C; #2 = A #3 = M. [Tail 0-0-0-1/3 C-0-A // M-1/3 C-0-0-0-0]
crown 0-B; dorsum 0-B; rump 0-B; throat 0-A; breast = 0
broodpatch refeathering with A. bill = 35 mm

N. Voth

1633 ♀ ______ ______ - ova to 1 mm. no fat 46.3
primaries 1→6 = E - #7 = 4/5 B; #8 = 2/3 C; #9 = A; #10 = D
secondaries 1 = D; #2 = 3/4 C; #3 = 3/4 C; #4 2/3 C, #5 = 1/3 C
crown 0-B; dorsum 0-A, rump 0-B; breast + throat = 0 -
{except b.p. refeathering with A+B]. Tail - outer
three are 0 - inner three on both sides = A. bill = 34 mm

1634 ♀ Juv Arenaria interpres - ova <1 mm - no fat 15.0 g

14 July Barrow, Alaska

1635 ♀ Erolia melanotos - ova <1 mm - moderate fat - 73.0 g
body molt: crown 0-B; dorsum 0-C; rump 0-A,
throat + breast = 0 → C; scapular 0-C; b.p. re-feather
with A+B feathers. [bird in heavy body molt -
+ apparently putting on fat for migration].

1636 ♀ Ereunetes pusillus - ova <1 mm - light fat 28.0
body molt - crown 0-C; dorsum 0-C; rump = 0,
scapulars 0-C; breast + throat 0-C. broodpatch
still clear / feathers + ~~[illegible]~~ vascularized -
no feathering yet.

1637 ♂ Erolia alpina T = 3 x 1 mm - no fat 52.0 g
bill = 31 mm
primaries #1-5 = E; 6 = 4/5 D; #7 = B; #8, 9, 10 = 0
no secondary or tail molt; crown - dorsum - rump -
scapulars 0-C; breast + thr = 0; br. not refeathered yet.

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14 July Barrow, Alaska

from flock of 9 - N. Voth-pond edge

1638 ♀ Erolia alpina - ova <1mm - light fat 66.5g
primaries 1-5 = E; #6 = D, #7 = ½C, #8, 9, 10 - 0; no body
secondary or tail molt. bill = 36 mm

1639 ♀ ——— ——— - ova <1mm - no fat - 59.6
primaries #1→6 = E; #7 = ¾C; #8 = ⅓C; #9 & 10 = 0
secondaries #1 = ⅔C; #7 = B #3 = A - rest are Old.
left ! right - from dorsal
tail 0-0-0-A-¼C-½C : ¼C; ¼C-A-m-0-0
body. crown-dorsum-rump-scapulars-throat & breast 0-C.
brood patch refeathering = A-C; bill = 34 mm

alc 1640 ♂ ——— ——— T = 1mm? - light fat 55.0g
No. Voth lowland primaries #1-6 = E; #7 = ⅔C; #8 = A #9-10 = 0.
tail 0-0-0-0-A-0/1/0→0. several "A" feathers in
- Alcoholic rump area - otherwise no body molt. Brood patch
just beginning to refeather (A). bill = 28 mm

S 1641 ♀ ——— ——— ova to 1 mm - very light fat - 59.7
primaries 1-6 = E, #7 = ¾C #8 = M - #9 & 10 = 0.
secondaries 1 = B, #7 = m - remainder are old.
brood patch well dev + vasc. - no refeathering. bill: 36mm

15 July Barrow, Alaska

1642 ♂ Juv. Erolia alpina - T<1mm - light fat 29.3g
- primaries + 2nd ar... ≈14 mm in length - body feather coming
in but hidden by down. collected So. of B.R. - near Meadow 1 of 3

alc. 1643 ♀? Juv. ——— ——— - ova <1mm - very light fat 26.3g
- alcoholic - - primaries 10mm - No FTP. 1 of 3

1644 ♀ Juv. ——— ——— - ova <1mm - very light fat 20.6
- Near ABCS

Holmes, R.
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17 July Barrow, Alaska

w 1645 ♂ Erolia alpina T=2x1mm - very light fat 56.7 g
primaries 0→6 = E ; #7 = D ; #8 = B - #9,10 = 0
secondaries #1 = 4/5 C · #2 = A - #3 = m - Tail #2 = m rt & left.
body - [crown, dorsum, rump, ~~breast~~ thr. = 0-A] [breast = 0] [brood patch
refeathering with A. bill = 31mm

w 1646 ♀ ______ ______ ova 1mm - no fat 59.6
primaries 1→6 = E, #7 = 3/4 C, #8 = A, #9 + 10 = 0
B.R. secondaries - #1 = 1/2 C ; #2,3,5 = A ; #4,6 = M.
Tail 0-0-0- A - 1/4 C A // A-A - 1/4 C - 0-0-0 upper tail covert = A
crown 0-B ; dorsum, rump, throat & breast 0-A
brood patch refeathering (A). bill = 37mm

w 1647 ♀ ______ ______ ova <1mm - no fat 53.8
primaries 1→5 = E ; #6 = 4/5 C [but with long (42mm)
blue shaft & 20mm blade], #7 = A [40mm blue shaft.
no blade] ; 8, 9, 10 = 0. No tail, secondary or body molt.
brood patch well dev - not refeathering bill = 38mm

w 1648 ♂ ______ ______ T = 2x1mm - light fat 55.4
primaries 1→7 = E, #8 = 1/3 C, #9,10 = 0. 2nd #1 = 4/5 C #2 = A #3 = M.
no tail or body molt. brood patch well dev - not
refeathering. bill = 33mm

w 1649 ♀ ______ ______ ova <1mm - light fat see below 66.9
primaries 1→6 = E ; #7 = D, #8 = 1/2 C, #9,10 = 0
secondaries 1 = E, 2 = 1/2 C ; #3 = A. Tail #1 right = A - rest = 0.
body: crown = 0-A - remainder = 0. brood patch
well developed, not refeathering. bill = 38mm
^ fat yellow + watery

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17 July Barrow, Alaska

1650 ♂ Erolia melanotos T = 4 x 2 m - light fat - 83.8
body molt crown + dorsum = O → C ; rump = O → A
B.R. throat O → C ; breast = O → C ; No wing or
tail or covert molt.

18 July Barrow, Alaska

1651 ♀ Erolia alpina - ova <1 mm - very light fat 59.3
primaries 1 → 6 = E, #7 = ½ C ; #8 = A - #9, 10 = O Tail: O-O-O-m-A-A-m
secondaries 1; = A, #7 = m - ; remainder = O. Body molt =
O - A in all areas. brood patch refeathering with A. b 11 = 37 mm

alc 1652 ? Juv. ______ ______ - light fat - 49.9
alcoholic.

1653 ♂ Juv. ______ ______ T = 1 mm - light fat 43.1 g
above three from Trapline IVA - wet marsh - flying

1654 ♂ Juv. Ereunetes pusillus - T = 1 mm - light fat - 23.6
1655 ♀ " ______ ______ - ♀ <1 mm - light fat - 22.6
1656 ♂ " ______ ______ - <1 mm - light fat - 22.0
above 3 from Trapline III B - No. Vath

No. Vath 1657 ♀ Juv. Erolia bairdii - ova <1 mm - light fat 32.7 g
1658 ♀ " ______ ______ - ova <1 mm - light fat 34.4 g
- above two Juv. with body (Juv.) feathers predominating
and in terminal stages of development. - see wing.

17 July Barrow, Alaska

n. S. 1659 ♀ Juv. Arenaria interpres - ova <1 mm light fat 24.8
1660 ♀ " ______ ______ ova <1 mm - light fat 25.0
- above 2 from group of 4 - So. of R. Ridge
near Meadow lake - Carex marsh

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19 July Barrow, Alaska

W 1661 ♂ Erolia alpina - T = 2 x .5 mm - no fat
No. Voth Trapline primaries 1 -> 6 = E, #7 = D, #8 = A, #9-10 = 0. 2nd #1 = ½ C -
remainder = 0. No tail or body molt. brood
patch well vasc. - no refeathering, bill = 33 mm

W 1662 ♀ ______ ______ - ova to 1 mm - no fat 51.3
primaries 1 -> 6 = E; #7 = 4/5 C; #8 = ⅓ C, #9+10 = 0
secondaries #1 = ½ C, #2,3 = A, #4 = m - rest = 0
tail 0-0-0-A-A-A // A-AA-000. Body molt 0-A -
in all areas - brood patch vasc. - just beginning
to refeather (2-3 A's). bill = 33 mm

20 July Barrow, Alaska

1663 ♂ Juv. Ereunetes pusillus T = 1 mm - very light fat - 21.2
primaries - 55 mm

No. Voth Trapline 1664 ♀ Juv. Erolia alpina - ova < 1 mm - very light fat 41.3 g

1665 ♀ Juv. ______ ______ ova < 1 mm - very light fat 36.7 g

57.5

1666 ♀ Erolia alpina - ova to 1.5 mm - no fat 5.5
primaries 1 -> 6 = E, #7 = D, #8 = ⅓ C - #9,10 = 0
secondaries #1 = 4/5 C #2 = ½ C, #3 = B, #4,5 = A, #6 = m - remainder = 0
tail - 0-0-0-0-A-⅓ C // ¼ C - B-0-0-0-0. Body: crown 0-C
dorsum, rump + scap. 0 -> B; throat + breast 0 -> B - brood patch
refeathering with A + B. bill = 36 mm. NOT SAVED

21 July Barrow, Alaska

1667 ♀ Juv. Ereunetes pusillus - ova < 1 mm light fat - 12.7 g
A.S. primaries 12 mm long -
coll. in E. Voth - 2 parents present

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22 July Barrow, Alaska

E. side of B.R. 1668 Juv. Erolia alpina 36.5
primary #5 = 46mm - alcoholic

central marsh [1669 ♀ Juv. ______ ______ - ova <1mm - no fat 37.8
primary #5 = 53mm
1670 ♂ Juv. ______ ______ T = 1mm - light fat 43.5
primary 5 = 53mm

FTP Lake 1671 ♂ Juv. ______ ______ T < 1cm - light fat 40.7 g
flatskin. - with ? parent present - 1 giving distraction display - see notes.

24 July Barrow, Alaska

1672 ♀ Erolia melanotos - ova <1mm - very light fat - 59.3
No appendage molt. Body molt - crown O → C; dorsum O → C
rump O; throat O - E; breast = O - D: Broodpatch refeathering with A → C.

1673 ♂ ______ ______ T = 3 x 1.5mm - very light fat - 81.6
body molt crown C - E; dorsum O - D - E. rump = O
throat D - E; chest C - D - E. many small white egg case like structures at base of feathers on nearly all parts of body. Large number of adult lice in feathers. Bird had right foot amputated ~~above~~ below "knee". Throat still vascularized + partially covered with fat but this substance was becoming quite mushy.

1674 ♂ Ereunetes pusillus - T = 2 x 1 mm - very light fat 26.1
body molt: crown O + E; dorsum O + E (½ : ½); rump = E.
scapulars ⅔ O : ⅓ E. Throat = E: breast O - E. Brood. p. with B.
T = [illegible]

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24 July Barrow, Alaska

insect area 1675 ♀ Imm. Ereunetes pusillus - ova<1mm · very light fat 26.6g
coll. a Pond J. primaries 9+10=D - otherwise full feathered

1676 ♂ Erolia alpina T=3x2mm - very light fat 34.1g
30' SE of P-J primaries 1→7=E, #8 = 2/3C #9=A - #10=0.
2nd ary - 1=E, D, D - 2/3C ; 2/3C ; B/A ; m; 0; 0; A ; 1/2C ; 3/4C - 0
tail 1/3C - A - A - 1/2C - 1/2C - 1/3C // 1/2C ; 1/2C - 1/3C - 1/3C - A - 1/3C
body crown 0-C ; dorsum 0→C ; rump 0→C→D.
Throat 0→C ; breast 0→C. Brood patch re-
feathering A→C. bill=34mm

25 July Barrow, Alaska

W 1677 ♀ Erolia alpina - ova to 1mm - very light fat 60.0g
primaries 1-7=E. #8 = 1/3C ; #9=A · #10=0. 2nd - E - 2/3C - 1/2C - 1/3C
1/3C · B · m - 0 · 0 - 0 // A - 1/2C - D - E.
Tail 0 · 0 - 0 - A - 1/3C - 1/3C // A - 1/3C - A - 0 - 0 - 0
Body 0-C ; dorsum 0→C ; rump 0→C - Throat & breast 0→C.
brood patch refeathers A-C. bill=35m

N 1678 ♂ ______ ______ T : 2.5x1mm · no fat 49.1g
primaries 1→6 = E - #7=D - #8 = 1/3C - #9 10 = 0
So. wet. marsh 2nd; 3/4C ; B ; A → 0 #10=0 ; 11, 12=0 · #13, 14 = 1/3C
no tail molt. Body molt - crown 0→C - remainder = 0
brood patch still well developed - a few pin feathers
around the edge. bill = 33mm. coll. S. of
Wohl. Slough -- with 3 just-flying young.

W 1679 ♀ Juv. ______ ______ - ova<1mm no fat - 40.6
molt completed - head & face partly down

1680 ♀ Juv. ______ ______ - ova<1mm - no fat 40.0
Juv. plumage → Imm plum. - head & face down

Holmes, R
1962

Catalog

25 July — Barrow, Alaska

not saved / Sent phots — 1681 ♀ Juv. Erolia melanotos - ova < 1m - no fat 23.1 g
- primary 5 = 11m - body feath in early "C" stage

not saved — 1682 ♀ Juv. Phalaropus fulicarius - ova < 1m - light fat 36.7 g

W — 1683 ♂ Erolia alpina - T = 2 x 1m - very light fat 56.3 g
primaries #1->8 = E, #9 = ½ C; #10 = B. 2ndaries 1->6 = E, #7 = D
#8 = 2/3 C #9,10 = B. - ½ C - D - E - E. Tail ⅓ C - ⅓ C - ½ C - ¾ C - D - ⅔ C
// ¾ C - ¾ C - ½ C ⅓ C ⅓ C - ⅓ C. Body: crown O->C; dorsum
O-E. Rump - throat O->C; breast O->A. Brood patch
refeathering with A (at the edges). bill = 34 mm
(margin: Brood patch refeathering ...)

Sent — 1684 ♀ ________ ________ ova 2 1m - very light fat 60.6
primaries 1->6 = E, #7 = D #8 = ½ C; #9 = m, #10 = O
2ndaries: E - ⅔ C - ½ C - ⅓ C - ⅔ C - A - A - O - O - O — A - ⅓ C - D - E
Tail O - O - M/A - A - ½ C - ⅓ C // ¾ C - ⅓ C - O - O - O - O.
Body crown, dorsum rump = O->C - breast, throat O-A.
Broodpatch refeathering with A. bill = 38 mm
(margin: E. B. R. "slight")

W — 1685 ♀ ________ ________ ova to 1mm - very light fat . 57.4 g
primaries #1-7 = E, #8 = 2/3 C, #9 = D, #10 = A . 2ndaries #1-3 = E;
#4 = D, 5 = 4/5 C, #6 = ⅔ C - #7 = ½ C, #8 = A #9, 10 = M. —
#11 = B - #12 = ⅓ C, #13 = D #14 = E. Tail M - O - AA - ½ C - ½ C //
// - ½ C - ½ C - ½ C - A - O - O. Body - crown O->D;
dorsum O->C; rump O->D - throat O-A; breast O-C
Brood patch refeathering with A-B.
(margin: E. B. R. "slight")

S — 1686 ♂ Imm Ereunetes pusillus - T = 1mm - very light fat 23.8 g
- flying - indep. of adult - coll. on isl. mud pond near Brant Pt.

~~HS~~

Holmes, R. 1962

Catalog

26 July Barrow, Alaska

1687 ♀ Imm. *Phalaropus fulicarius* - ova < 1mm - light fat 46.9 g

both marsh trop uns — 1688 ♀ Imm *Ereunetes pusillus* - ova < 1mm - no fat 23.2

probably just flying

bill = 24 mm

not saved — 1689 ♀ Juv. *Erolia alpina* - ova < 1mm - no fat 31.4 g

W — 1690 ♂ Juv. ______ ______ T = 1 mm - very light fat 42.5

bill = 25 mm - not flying yet

S — 1691 ♂ *Ereunetes mauri* - Testis 1 mm - moderate fat 27.3 g

crown - dorsum 0 → B. Rump = 0. Throat - breast = 0. Brood patch refeathering

gravel ponds Britton; Area

W — 1692 ♀ Imm ______ ______ - ova < 1mm - no fat 24.0

juvenile plumage complete - no molt currently going on.

S — 1693 ♀ *Ereunetes pusillus* - ova to 1mm - mod. fat 28.9

broodpatch well clean - no molt !

no molt in progress - but bird in half-winter plumage - apparently having started molt - then stopped any new feathers while latter those started go to completion.

1694 ♂ *Erolia alpina* - T: 2x1 mm - no fat 50.5

primaries 1 → 7 = E, #8 = ½ C, #9 = A. #10 = 0.

alc. Bl. mud pond N. of P-M - N. VoR

Secondaries ¾ C - ½ C - B - A - A - M - 0 - 0 - 0 - 0 / ¾ C - D - E E

Tail - 0 - B - 0 - A - ½ C - B // B - B - A - 0 - ¼ C - 0

Body - crown → throat = 0 → C; breast 0 → ½ C. Brood patch refeathering with A - C. Bill = 35 mm

W — 1695 ♀ ______ ______ - ova < 1mm - no fat 54.6

Bl. mud pond w. of K - finder

prim: 1-7 = E, #8 = ½ C - #9 - M - #10 - 0. 2nd - ¾ C - ½ C - ⅓ C - B - A - M - 0 - 0 - 0 - 0 // D - E - E

Tail - A - 0 - 0 - A - ¼ C - B // ⅓ C - ⅛ C - A - 0 - 0 - 0. Body crown → throat 0 → C

breast 0 → A. Brood patch refeathering with A, bill - 35 mm

Holmes, R.
1962

Catalog

27 July Barrow, Alaska

Vot marsh 1696 ♀ Juv. Erolia alpina - ova < 1mm - no fat 36.0 g

p.c. 1697 ? Juv. Phalaropus fulicarius — light fat 33.9

28 July Barrow, Alaska

Vot marsh 1698 ♀ Juv. Phalaropus fulicarius - ova < 1mm - light fat 32.4

1699 ♀ Erolia alpina - ova to 1mm - light fat - 64.4 g

primaries 1→7 = E - #8 = D - #9 = A, #10 = 0. 2nd E-E-E-D-D-⅔C-½C-M-0-0-

// M-½C-D-E. Tail: M-0-M-A-A-A // A-B-A-M-M-M.

Body: crown - 0-B; dorsum + remainder = 0. Broodpatch

well dev. + vasc. - not refeathering. bill = 38 mm

1700 ♂ ______ ______ T = 2 x 1mm - very light fat - 57.2

primaries 1-7 = E, #8 = ⅓C -, #9+10 = 0 : 2nd E-¾C-½C-⅓C-B-0-0

0-0-0 // 0-⅓C-EE. Tail: 0-0-0-0-M-0 // 0→0.

Body: crown 0-C. dorsum rump 0. Breast 0-C. throat 0

scap. 0→C. Brood patch well dev - not refeathering. bill = 35 mm

31 July Barrow, Alaska

1701 ♂ Erolia alpina - T = 2 x 1mm - light fat 58.7 g

NE. B.R. wet poly feeder

primaries 1→7 = E, #8 = D, #9 = ½C - #10 = A / 2nd E-E-E-D-D-¾C-¾C-B-A-A

// ½C-⅔C-EE. Tail B-A-A-½-½-½ // A-½-½-A-0-B

Body: all 0→C. Broodpatch refeathers well down +

A-C around the edges. bill = 32 mm

Wing coverts fringed with rustier i.e. like juv.

3 Aug Barrow, Alaska

wet areas - 30. Fert. plot

1702 ♂ Imm. Erolia melanotos - T = 1½ x 1mm - light fat 71.0 g

- post-juv. molt complete

1703 ♀ ______ ______ - ova to 1mm - Mod. fat - 70.8 g

bodymolt: crown 0→B; remainder = 0. Brood patch

starting to refeather with A.

Holmes, R.
1962

Catalog

3 Aug Barrow, Alaska

wet carex s.w. fert plot 1704 ♀ Juv. Erolia melanotos - ova < 1mm - very light fat 53.7
no molt - (central tail feath. n Juv - edged with tawny).
1705 ♂ Juv. Ereunetes mauri - T = 1mm - very light fat - 22.7g
no molt - complete immature plumage

4 Aug Barrow, Alaska

Fresh lake 1706 ♀ Imm. Erolia bairdii - ova < 1mm - very light fat 41.1
- post juv. molt complete - well feathered (no down)
1707 ♂ Imm ______ ______ - T = 1mm - very light fat 36.6
no molt

P.F 1708 ♀ Imm. Erolia melanotos - ova < 1m. no fat 51.9
no molt

5 Aug Barrow, Alaska

Fresh lake 1709 ♀ Imm. Ereunetes mauri - ova < 1mm - no fat - 26.4g

6 Aug Barrow, Alaska

1710 ♀ Erolia alpina - ova to 1mm - very light fat - 58.6g
primaries 1-7 = E, #8 = D, #9 = 2/3 c - #10 = A. 2nd: 1-6 = E, #7 = D,
#8 = 3/4 c - #9 = 1/2 c #10 = 1/2 c - #11 = D - 12-14 = E.

wet polyg. So. gasline Rd.
Tail - 1/2 - 2/3 - 3/4 - D-D-D // 2/3 - 3/1 - 3/4 - D-D-D, Body molt - all
parts - shown, 1/2 D - 1/2 E - but no stages inbetween
brood patch covered by few down-feath + some
A + B - on the periphery

1711 ♀ ______ ______ ova to 1mm - - very light fat 61.8
primaries 1→8 = E, #9 = 2/3 c - #10 = B. 2nd 1→7 = E, #8 = D #9 1/2 c - #10 = A
- 1/2 - 1/2 - D - E. Tail AA - 1/4 - 1/4 - 2/3 - 2/3 // A - 2/3 - 1/2 B - A - A.

ale. wet polygon - So. gasline Rd.
body: crown D-C-D; dorsum D→C; rump D→C; scap D→C;
throat, breast D→C; brood patch completed cover
with A→C. bill = 37mm

Holmes, R.
1962

Catalog

6 Aug Barrow, Alaska

1712 ♀ Erolia alpina - ova to 1mm - very light fat - 59.7g
W primaries 1→8 = E, #9 = 3/4 C - #10 = 1/2 C. 2nd 1-7 = E, #8 = D, #9 = 2/3 C #10 = 1/2 C - #11 = 1/4 C - #12 = D. #13 & 14 = E. Tail 2/3 - 1/3 - 1/2 - 3/4 - D - E // D - D - D - 1/2 - 1/2 - 3/4 C. Body. crown O-D-E, dorsum rump O-D-E scapular O-C-E; Throat & breast O-D-E. Brood patch refeathered (C-E). bill = 35mm

1713 ♂ ________ ________ T = 2x1mm - very light fat 54.3g
No. Voth primaries 1→8 = E, 9 = D - 10 = 2/3 C. 2nd 1→8 = E, 9 = D, 10 = 3/4 C - 11 = D - rest = E
Tail all E (coverts O - but look fresh); Body: crown O→C-E; dorsum, rump & scap O→C-E. Throat - breast O→C-E. bill = 31mm. Brood patch - refeathered (C-E)

1714 ♀ Imm. ________ ________ ova < 1mm - no fat 52.8
gravel ponds post-juvenile nearly complete

11 Aug Barrow, Alaska

1715 ♀ Erolia alpina - ova < 1mm - very light fat 60.0
W primaries 1→8 = E, #9 = D, #10 = 2/3 C. 2nd 1-7 = E; #8 = D, 9 = 1/2 C - 10 = 1/3 C
No Voth Trapline 1/2 C - D - EE. Tail: 1/3 - 1/4 - 1/4 - 1/2 - D - E // E - D - 1/2 C - B - B - 1/3 C
Body - crown O-E; dorsum, rump O-D-E; Scap O-E throat O-B-E; breast O-C-E. Brood patch refeathering bill = 34mm

12 Aug Barrow, Alaska

1716 ♀ Erolia alpina - ova < 1mm - very light fat 52.2
W primaries 1→8 = E, #9 = D, #10 = 1/2 C (#11 = B). 2nd 1-8 = E, - 3/4 - 1/2 // 3/4 - D - EE
No. Voth Tail - 2/3 - 2/3 - 2/3 - D - EE // E - E - E - 2/3 - 2/2 - 2/3. Body crown O-C-E
flats of 16 dorsum, rump O-A-E. Scap O-B-E. Throat + Breast O-D-E. Brood patch refeathering. bill = 35mm

Holmes, R.
1962

Catalog

12 Aug Barrow, Alaska

n.s. 1717 ♀ Erolia alpina - ova to 1 m - light fat - 72.7
Sm flock 16 — primaries 1→8 = E, #9 = D, #10 = 3/4 C. 2nd all E. Tail = E
N. U... — Body - crown O - E. dorsum - scap - rump O - B - E. throat O - A - D
W — breast O - A - D. Brood patch refeathered bill = 37
1718 ♀ ______ ______ - ova < 1 m - very light fat 57.3 g
primaries 1-8 = E, 9 = 3/4 C - 10 = 1/2 C. 2nd 1-6 = E / D - 2/3 C - 1/2 C. All 1/3 C - D - E E
Tail: 1/3 - 1/3 - 1/3 - 1/2 - E E // E E - 1/2 - 1/3 - 1/4 - 1/4. Body: crown O - C - E.
dorsum - rump O - C - E; scap O - E; throat O - C - E.
breast O - B - E. Brood patch refeathered. bill = 36 mm

13 Aug Barrow, Alaska

ale. 1719 ♂ Erolia alpina - testes 2 x 1 m - very light fat - 52.9 g
primaries 1→8 = E, 9 = 2/3 C - #10 = 1/3 C. 2nd 1-7 = E; 8 = D, 9 = 2/3 - 10 = 1/2
- 1/4 - D - E - E. Tail D - 2/3 - 2/3 - E E E // E E E - 2/3 - 1/2 - 2/3
from flock 12 — Body: crown O - C - E. dorsum O - B; rump O - B - E; scap O - B - E
Throat O - B - E; breast O - A - E. B.P. refeathered. bill = 34 mm
1720 ♂ ______ ______ T = 2 x 0.5 mm - very light fat 57.8
primaries 1→9 = E, 10 = 3/4 C. 2nd 1-9 = E; 10 = D - 11 = 2/3 C - 12 - 14 = E.
-Sa. of N. Meadow Lake — tail: 1/2 - 2/3 - 2/3 - E E E // E E E - D - 2/3 - 2/3. Body - crown O - C - E
dorsum O - B - rump O - A - E - scap O - C - E. throat O - A - D
breast O - A - E. Br. patch refeathered. bill = 33 mm
1721 ♂ ______ ______ - T = 1 x 0.5 m - very light fat 55.6
primaries 1-9 = E, 10 = 2/3 C. 2nd 1-7 = E, 8 = D, 9 = 3/4 C - 10 = 2/3 C
11 = 3/4 C - rest = E. Tail 1/4 - 1/4 - 1/4 - 1/2 E - 3/4 C // D - D - 3/4 - 1/4 - 1/4 - 1/4
Body: crown O - D - E; dorsum O - D - C. rump O → C; scap O - C
throat O - C; breast O - C. Brood patch refeathered
Bill - 32 mm

Holmes, R.
1962

Catalog

13 Aug Barrow, Alaska

1722 ♂ Erolia alpina T = 1 x 0.5 mm - very light fat 56.8 g

So. Wohl. slope - 7 of 30 primaries 1→9 = E; 10 < 3/4 C. 2nd 1/-9 = E, 10 = D - 11→14 = E.

Tail 1/2 - 1/2 - 3/4 - E - E - E // E - E - E - 3/4 - 1/2 - 1/2 . Body - crown 0 - C - E
rump + scap

dorsum 0 - C - E; throat + breast 0 → C. Broodpatch

refeathering (not discernable). bill = 31 mm

Britton Grump Pond 1723 ♂ Imm. ______ ______ T = 1 mm — very light fat - 55.7

only molt - 0 - A on throat.

1724 ♂ Imm ______ ______ T = < 1 mm - very light fat 50.8

N. meadow lake Body molt: crown - rump = 0. dorsum - scap = 0 - A; throat = 0.

breast = 0 - A.

1725 ♀ Imm ______ ______ ova < 1 mm - very light fat - 54.0

So. Gasline R. Body molt: crown - dorsum - scap - 0 → C; rump = 0. throat 0 - A

breast - 0 → B

9 ~~1~~ Aug. ~~Barrow~~, Peters Lake - 45 mi so. of Barter Is., Alaska

1726 ♂ Imm. Erolia minutilla T < 1 mm - very light fat 19.3 g

14 Aug Barrow, Alaska

1727 ♂ Imm Erolia alpina T = 1 mm - very light fat 56.9

Body molt: crown, dorsum 0 → B; rump 0 - A; ~~scap~~ scap 0 → C

throat - 0 - A - C; breast 0 - B.

1728 ♂ Imm ______ ______ T = 1 mm very light fat 52.1

Body molt: cr, ds, rump 0 → C (rump on last several Imm's

has molt laterally - but none in center).

scap 0 → C; throat + breast 0 - B - C.

1729 ♂ Imm ______ ______ T = 1 mm - very light fat 63.9

Body molt: cr. 0 - B; ds. 0 - B - C; rp 0 - C; ~~dors.~~ scap 0 - C; thr. 0 - A - B

breast 0 → C.

Holmes, R.
1962

Catalog

16 Aug Barrow, Alaska

W 1730 ♀ Erolia alpina - ova to 1 mm - very light fat 57.0 g
bill = 38 mm. molt on shaft

W So. salt lagoon 1731 ♀ ______ ______ ova to 1 mm - light fat 64.4
bill = 40 mm - molt

W 1732 ♂ ______ ______ T = 1.5 x 0.5 mm - light fat 61.6 g
bill = 34 m - molt

W 1733 ♀ ______ ______ ova to 1 mm moderate fat 67.4
bill = 35 m - molt

W Britton Area 1734 ♀ Imm. ______ melanotos - ova < 1 mm - Mod. fat 73.3 g
no molt

W So. Salt Lag 1735 ♀ Imm Ereunetes mauri - ova < 1 mm very light fat 27.5 g
bill = 25 mm - no molt

W No. mos. stat 1736 ♂ Erolia alpina - T = 2 x 0.5 mm - very light fat 50.1 g
bill = 37 m - molt - feeder #1

Skel - 1737 ♀ ______ ______ ova to 1 mm - light fat 62.6 g
bill - molt - feeder #2

18 Aug Barrow, Alaska

W So. ABCS 1738 ♂ Imm Erolia alpina - T = 1 mm - very light fat - 51.0
only body molt - o → c on the scapulars.

W 1739 ♂ Imm Erolia melanotos - T = 1 mm - light fat 72.5
~~no molt~~

W No. Salt lag. 1740 ♂ Imm. Ereunetes mauri - T = 1 mm light fat 28.1
no molt!

1741 ♀ Imm. ______ ______ ova < 1 mm - very light fat 30.0
no molt

W 1742 ♀ Imm ______ ______ ova < 1 mm - very light fat 30.1
no molt

Holmes, R.
1962

Catalog

18 Aug Barrow, Alaska

flat 1743 ♀ Imm. Crocethia alba . ova < 1mm . very light fat 55.0
no moult

19 Aug Barrow, Alaska

flat 1744 ♀ Imm. Erolia alpina - ova < 1mm . very light fat 61.2 g
molt on molt record sheet

Ponds towards POINT 1745 ♀ Imm ______ ______ ova < 1mm . very light fat - 58.4
body molt

flat 1746 ♂ Imm ______ ______ T = < 1mm - very light fat 57.0
body molt

20 Aug Barrow, Alaska

Brittons gravel pond 1747 ♂ Erolia alpina - T = 2 x 0.5 mm - - very light fat 57.2 g
bill = 34 mm - molt.

Voth marsh 1748 ♂ Juv. Erolia melanotos - T = 2 x 0.5 mm - light fat 67.4
- just able to fly - primaries 2/3 grown. No others nearby

21 Aug Barrow, Alaska

So. gravel R. - wet 1749 ♀ Imm. Erolia melanotos - ova < 1mm light fat 57.4 g
bill: 28 mm - no molt -

SW Fert plot 1750 ♂ Imm ______ . ______ T = 2 x 0.5 mm - light fat 72.4 g
bill = 30 mm . no molt

1751 ♀ Imm ______ ______ ova < 1mm . light fat 62.3 g
bill = 27 mm - no molt
- above two in wet, low-c. polygons . 2 of 6

SW Fert plot 1752 ♀ Imm Erolia alpina - ova < 1mm - very light fat 53.1 g
body molt.

1753 ♀ Imm. ______ ______ - ova < 1mm - very light fat 60.0 g
body molt
- above two - from flock of 8 +1756 - low c. wet polygon

Holmes, R.
1962

Catalog

21 aug Barrow, Alaska

1754 ♀ Imm. Erolia alpina - ova <1m - light fat 59.2
So. wohl. (slope) (fat - heavier than very light - ∴ heavier than other imm's. Molt just beginning). 1/16

1755 ♀ Imm ——— ——— ova <1m - very light fat 61.0 g
E. Fert plot - body molt - Dry polygon (slope) - 10/20

1756 ♀ Imm ——— ——— ova <1m - very light fat 51.0 g
SW Fert plot - body molt - just beginning - 1/8

1757 ♂ Erolia alpina T = 2×1mm - light fat 62.4
SW Fert plot - slope - Molt - bill = 34mm

1758 ♂ ——— ——— T = 2×1m - very light fat 56.3 g
molt - bill = 32m

1759 ♂ ——— ——— T = 2×0.5m - ~~very~~ light fat 65.9
So. wohl. slope molt - bill = 34mm - almost mod.

1760 ♀ ——— ——— ova to 1mm 74.4 g
N.B.R. slope bill = 39mm - molt

1761 ♀ Imm. Pluvialis dominica - ova <1m - light fat 163.2
alc. So. wohl. - no molt

23 August Barrow, Alaska

1762 ♀ Imm. Phalaropus fulicarius - ova <1mm - light fat - 46.7 g
not found; Britton gravel pit; body molt. scap.-thr. crown + dorsum 0-c ; rump = 0 . breast = 0

1763 ♂ Imm Ereunetes mauri - T = 1mm - very light fat - 22.7
not found; body molt on ventral tract from mid-breast through abdominal area - nowhere else.

1764 ♀ Imm ——— ——— ova <1mm - very light fat - 27.4
W - no molt

1765 ♂ Erolia alpina - T = 2×1mm - light fat 64.8 g
W No. Ikroavik, ... bill = 33mm - body & appendage molt

Holmes, R.
1962

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23 Aug. Barrow, Alaska

W 1766 ♂ Imm. Erolia alpina - T = 1 x 0.5 mm - very light fat 55.2
- body molt

W 1767 ♂ Imm. ____ ____ T = 1 mm - very light fat 53.4
body molt

Brittons Gravel Area

n.s. 1768 ♂ Imm ____ ____ T = 1 mm - very light fat 54.4
body molt

✓ 1769 ♂ Imm ____ ____ T = 1.5 mm - very light fat 52.8
body molt

Slat 1770 ♂ Imm ____ ____ T = 1 x 0.5 mm - light fat 68.7
body molt nearing completion ?

✓ 1771 ♂ Imm ____ ____ - T = 1 mm - very light fat 54.0 g
body molt

24 Aug Barrow, Alaska

lost POINT 1772 ♀ Erolia alpina - ova < 1 mm - light fat 66.2 g
molt nearing completion

25 Aug Barrow, Alaska

st saved Britton Gravel Pond 1773 ♀ Imm. Erolia alpina - ova < 1 mm - very light fat 52.5
body molt

27 Aug Barrow, Alaska

n.s 1774 ♂ Imm Erolia alpina - T = 1 mm - light fat 61.0
body molt

English Lake

n.s 1775 ♂ Imm ____ ____ T = 1.5 x .5 mm - light fat 54.0
body molt

n.s 1776 ♂ Imm ____ ____ T = 1 x 0.5 mm · light fat 58.5
body molt

n.s Slope - 80 Gosling Ridge - 1777 ♂ Imm ____ ____ T = 1 x 0.5 mm - light fat 56.3 g
body molt

Holmes, R
1962

Catalog

15 June Woronzof Marsh, 4 mi SW of Anchorage, Alaska
Specimens collected by Leonard J. Peyton

1778 ♀ Erolia minutilla · ova (3 at 3 mm → <1 mm - coll. foll. ?) 26.5 g
molt: none except 2 feathers in each scapular tract in the B stage. Incubation patch well developed and vascularized.
Light fat

1779 ♂ ______ ______ Testis 4 x 2 mm - moderate fat - 23.2 g
no molt. Well developed brood patch

1780 ♀ ______ ______ ova to 3 mm - light fat 27.4
no molt. well developed brood patch

1781 ♀ ______ ______ - ova to 2 mm · light fat 23.7
no molt (sev. A+B feathers at the edge of the incubation patch); well-dev. incubation patch

1782 ♀ ______ ______ ova to 2 mm - light fat 23.3 g
no molt. Brood patch well developed

21 June Woronzof Marsh, Anchorage, Alaska
1783 ♂ Erolia minutilla - T = 1 x .3 mm - moderate fat 22.7 g
no molt; brood patch well developed

1784 ♀ ______ ______ ova to 1 mm - light fat 24.0 g
no molt; brood patch well developed

Holmes, R.
1962

Catalog

26 July Worronzof marsh, Anchorage, Alaska
L. J. Peyton

1785 ♂ Erolia minutilla - T=1 mm - heavy fat - 29.6g
molt: crown Q-B ; no other. Brood patch with several "down" feathers scattered (but no new pins).

1786 ♂ ——— ——— T=1x.5 mm - Heavy fat 29.2g
no molt ; brood patch still clear with no new feathers.

Both adults above in very worn. body, tail & wing plumage

1787 ♂ Im ——— ——— - Testes <1mm - light fat - 21.3g
no external molt visible - but major ventral + dorsal feather tracts evidently starting - since pins seen along entire length from inside.

1788 ♂ Imm ——— ——— T=1mm - very light fat 18.2g
no external molt (except 2-3 cases of adventitious replacement); however, dorsal tract on inside showing some indication of starting molt

1789 ♂ Imm ——— ——— - Testes <1mm - very light fat 22.4g
no external molt but (dorsal) upper tracts with pins in the cervical + abdominal regions

1790 ♀ Imm ——— ——— ova <1mm. very light fat 21.6g
no molt

w 1791 ♂ Ad Ereunetes mauri - T=1x.5mm - moderate fat - 30.6g
no molt! Brood patch still evident but now covered by small black pin feathers

Holmes, R.
1962

Catalog

16 Aug. Woronzof Marsh, Anchorage, Alaska
coll. by L. J. Peyton

1792 ♀ Imm Erolia minutilla - ova ≤ 1 mm · very light fat 19.5 g
no molt

13 July Woronzof Marsh, Anchorage, Alaska

1793 ♂ Erolia minutilla - Testes 2 x 0.5 mm - light fat 24.0 g
no molt on body or appendages. Brood patch evident - starting to regress & refeather.

1794 ♀ ——— ——— ova to 1 mm · Heavy fat 32.1 g
no molt. Brood patch regressing with pin (A) feathers coming in sparsely.

1795 ♂ ——— ——— T = 2 x 0.5 m · light fat 24.1 g
molt: crown O-B; dorsum & rump O-C; none on underparts or appendages. Brood patch still evident but partially covered by down & a few pins.

1796 ♀ ——— ——— ova to 1 mm · light fat 27.1 g
molt: crown O-A; dorsum O-C; remainder = 0. no wing or tail molt. Brood patch = regression with scattered pin feathers present

1797 ♂ ——— ——— T = 2 x 1 mm · moderate fat 28.9
Only molt: dorsum O-C. Brood patch still clear - but little vascularization - is underlaid by fat

1798 ♀ ——— ——— ova to 1 mm · light fat 23.3
no molt brood patch refeathering

above 6 adults taken from flocks

Holmes, R.
1962

Catalog

29 June Woronzof Marsh, Anchorage Alaska

1799 ♀ Erolia minutilla - ova to 1mm - very light fat - 24.1g
-no molt. Broodpatch clear - vascularized.
·shot as a single bird

1800 ♀ ______ ______ ova to 1mm - light fat 24.6g
no molt (~~2nd on left wing shot out~~?); brood patch
well developed. - shot from flock

1801 ♀ ______ ______ ova to 1mm. light fat - 25.6
no molt; brood patch clear but not vasc.
single bird

1802 ♀ ______ ______ ova to 1mm - mod. fat - 30.8g
no molt - brood patch clear - fat underneath -
ie not well vasc. shot from flock

1803 ♀ ______ ______ ova to 1mm - light fat 22.4g
no molt - broodpatch clear but not vasc.
-shot from flock

1804 ♀ ______ ______ ova < 1mm - light fat 26.4g
no molt - brood patch clear of feath
but no vasc. - from a flock

Holmes, R.
1962

Catalog

(circled: Hello)

Belmont Slough, San Mateo Co., California
collected by Sanford R. Leffler

1778 ♀ Juv Lobipes lobatus - ova <1mm - moderate fat 34.1g
body molt - 1/3 completed - but no molt currently going on

1779 ♀ Juv ______ ______ - ova <1mm - light fat 26.9g
no body molt - complete immature (post-juv) plumage

♀ Juv ______ ______ - ova <1mm - moderate fat 34.3g
no body molt - except 3-4 feathers in each scap. - all gray + wash across chest is gone - i.e. white). white edge to 2nd + 3rd upper wing coverts

♂ Ad. ______ ______ T = 2x1mm - moderate fat 40.6g
body molt : crown 0-E; dorsum 0-C-D; rump 0-B-C; scaps 0-C-D
breast-throat - 0-A-B. Sides / neck spotted with orange - as in breeding plumage. Old (0) feath / back are brown rather than black as in the immatures. No wing molt but tail:
m-0-0-0-0-A // 0-m-0-0-0-0

♂ Ad. ______ ______ T = 2x1mm. Heavy fat 43.2g
body molt : crown 0-C-E; dorsum 0-C-D; rump 0-B; ~~dors.~~ scaps 0-D-E
throat 0-C; breast 0-B. Few orange feathers on side of neck. No wing molt. Tail = A-0-0-0-B-B //
0-B-0-0-0-0. Bird attaining a decided grey appearance.

♂ Ad. ______ ______ - T = 2x1 m - Heavy fat 48.8g
body molt : crown C-E; dors. 0-E; rump 0-C; scaps 0-C-D.
throat 0-C-D; breast - 0-C-E.

Holmes, R.

1962

Catalog

✓

30 Sept. Emeryville, Alameda Co., California

1808 ♀ I? Ereunetes mauri - ova <1mm - moderate fat 32.9
crown A-E; dorsum O→E; rump = E; throat B-E;
breast O-B-D. No wing or tail molt, - also no coverts

1809 ♂ Imm ______ ______ T=1mm - very light fat 27.7 g
crown O-E; dorsum + rump O-B-E; throat O-B-D; breast O-A-C
no wing or tail molt

1810 ♂ Im Erolia minutilla -T= <1mm - light fat 21.5 g
crown B-E; dorsum A-E; rump O-D; throat A-C-D; br. O-A-D
no additional molt

1811 ♀ ______ ______ ova <1mm - very light fat 22.8
crown C-E; dorsum O-D-E; rump O-C-E
throat D-E; breast C-E. no other molt

1812 ♀ Ad? ______ ______ ova to 1mm - no fat 21.2 g
crown O-E; dorsum O-C-E; Rump B-E; ~~breast~~ thr. B-D
breast A-C-D - wing + tail molt completed

1813 ♀ Ad ______ ______ ova to 1mm - very light fat 21.8
crown B-E; dorsum B-E; rump A-E; thr+br. O-C-E
Tail 2/3 C-B-O-O-B-A // B-B-O-O-A-2/3 O; wing
molt completed.

1814 ♂ I? ______ ______ T=1mm - very light fat 21.4
crown, dorsum: O-C-D; rump O-A-C; thr O-C; breast O-C
2 central tail feathers = A - others = O; wings = O?

1815 ♀ Imm ______ ______ ova <1mm - very light fat 23.5
crown, dorsum O-C; rump = O; throat + breast - O-C
- no wing or tail molt

Catalog

Holmes, R.T.
1962

10 Nov. Emeryville, Alameda Co., California

S 1816 ♂ Calidris alpina T = 2 x 1mm - Light fat 56.1g
1/3 feathers on crown + throat in terminal stages of molt (D→E); no place else. bill = 36 mm

f.s. 1817 ♂ ______ ______ T = 2 x 1mm - light fat 51.5
few feathers on crown - D - otherwise no molt
bill = 35mm

W 1818 ♂ ______ ______ T = 2 x 1mm - light fat. 56.5
crown D→E - no other molt. bill = 37mm

1819 ♂ ______ ______ T 2 x 1m - light fat 49.9
all feather tracts D-E. D feathers scattered over body but evident on surface as shorter new feathers

1820 ♂ Ereunetes mauri - T = 1 x 0.5mm - mod. fat - 29.0
several pin (A) feathers on head (crown only). No other indication of molt. bill = 22mm - Stom. to GC

1821-30 - ? - no specimen 9/9/63

Holmes - 1962

- Birds - this page - processed 9/9/63
- none saved

16 Aug Woronzof Marsh, Anchorage, Alaska

1831 ♀ Juv. Lanius exubitor - ovaclm - v.l. fat 71.9g

29 June Woronzof Marsh. Anchorage, Alaska

1832 ♂ Ereunetes pusillus - T = 6x3m. very light fat 24.9g
- gen'l body molt (b - c) . no wing molt -
no evident b.p.

1833 ♂ ______ ______ T = 2x1m - light fat 28.2
- gen'l body molt - b-c. no b.p.

above 2 shot from a flock / ?

1834 ♂ Ereunetes mauri - T = 4x2m. light fat 30.7
no molt - b.p. - summer plumage

- shot from a flock

31 July Woronzof Marsh

1835 ♂ Charadrius semipalmatus - T = 3x1m - mod. fat 51.6g
- no molt - b.p. ?

25 May Woronzof Marsh

1836 ♂ Ereunetes mauri - T = 7x3m - very light fat - 24.3g
- no molt - complete breeding plumage
- no b.p.

Holmes, R.
1963

Catalog

27 May Barrow, Alaska

W NEB 1901 ♂ Calidris pusilla - Testis 7x3 mm - light fat 22.5
no brood patch, no molt, bill = 17 mm. This indiv. displayed toward #1902. - See field notes. - Elson bluffs

W NEB 1902 ♂ ______ ______ - Testis 7x4 mm - very light fat - 23.8
no b.p., no molt, bill = 18 mm. received display of 1901.

W NEB 1903 ♀ Calidris melanotos - no molt, very light fat - 58.7
ova 2, 2, 2, <1 mm. oviduct partly enlarged

W NEB 1904 ♀ ______ ______ - no molt, light fat - 61.7
ova 4, 4, 3, 3, <2 mm - oviduct enlarged. bill = 27 mm

W NEB 1905 ♀ Calidris bairdi - ova to 2 mm - very light fat - 44.6
no molt or b.p.

W NEB 1906 ♀ Crocethia alba - ova to 2 mm - light fat 60.4
no molt - but half of back feathers + 25% of scapulars are gray. Throat is mixed gray-brown + black (spots)

W NEB 1907 ♂ ______ ______ T = 9x4.5 mm - moderate fat - 56.4
- no molt

W NEB 1908 ♂ Calidris alpina - T = 8x5 mm - light fat - 61.2
no molt - bill = 35 mm

W 29 May Barrow, Alaska

1909 ♂ Calidris bairdi T = 9x4.5. - light fat 47.1
bill = 23 mm. no molt

W 1910 ♂ Calidris melanotos - T = 13x7 - light fat 92.3

no molt

1911 ♂ ______ ______ T = 12x7 - mod. fat 110.9 g

no molt - esophageal length - to ventriculus = 137 mm

Holmes, R,
1963

2.

Catalog

31 May Barrow, Alaska

SEB 1912 ♂ Calidris alpina - T = 10 x 6mm. light fat 57.6g
no molt bill = 29mm

SEB 1913 ♀ Arenaria interpres light fat 156.5
1 egg in oviduct - no shell yet + 1-20mm, 1-12mm + 1-7mm
no molt - b.p. - clearing - not vasc. or opaque

SEB 1914 ♂ Calidris melanotos - T = 15 x 7mm - light fat - 109.2
no molt

1 June Barrow, Alaska

NEB 1915 ♂ Calidris melanotos - T = 14 x 6mm - very light fat 107.3
- no molt - TAPEWORM - infestation

SEB 1916 ♀ ———— ———— - light fat - oviduct well dev. - 89.8g
ova 19, 12, 8, 4, < 2mm - no molt, no b.p. (clearing)

SEB 1917 ♂ ———— ———— T = 13 x 6mm - light fat 114.4
- no molt

1918 ♀ Arenaria interpres ova 23, 14, 8, 6, < 3 - 135.2
200 yds. So. well. light fat - no molt - no brood patch
- oviduct well developed

NEB 1919 ♀ ———— ———— - ova 23, 14, 5, < 3 - 131.6
1 egg with hard shell in oviduct, 1 coll. follicle in
ovary. - brood patch clearing - very light fat

NEB 1920 ♀ ———— ———— - very light fat 120.8
3 coll. follicle + 1 20mm. brood patch cleared
+ partially developed - ie vascularized.

1921 ♂ ———— ———— T = 9 x 5mm 126.5
moderate fat - b.p. - defeathering -

Holmes, R.
1963

Catalog

2 June Barrow, Alaska

1922 ♀ Calidris melanotos - light fat - no molt 80.5
so. village slu
ova 20, 14, 7 + 1 collapsed follicle - brood patches cleared + partly opaque + partly vascularized
oviduct well dev.

3 June Barrow, Alaska

S 1923 ♂ C. alpina - T=9x4mm - light fat 62.8
no molt - no b.p. bill=

W 1924 ♂ ——— T=13x8mm - light fat 60.9
SEB
no molt or b.p. bill=36mm

S 1925 ♂ ——— T=11x6mm - light fat 61.5
no molt - no b.p.

W 1926 ♂ ——— T=10x5mm - light fat 59.4
no molt, no b.p. bill=31mm

W 1927 ♂ ——— T=11x6mm - moderate fat - 65.3g
no molt - no b.p. - bill= 34mm

W 1928 ♂ C. melanotos - T=12x6mm - light fat 104.2
no molt [R-#1-]

W 1929 ♂ ——— T=12x7mm - very light fat 107.3
no molt [R-#2]
pr.

W 1930 ♀ ——— - light fat - no molt 92.5
1 ovum at 19mm - 3 rupt. follicles, 1 shelled egg in oviduct
bp. defeathered + partially vascularized. [R-#2 ♀]

W 1931 ♂ ——— T=13x6mm - light fat 113.6
no molt [R-#3]

W 1932 ♂ ——— T=15x8 - light fat 108.-
no molt - [R-#4]

Holmes, R.
1963

Catalog

5 June Barrow, Alaska

Voth Bluff

1933 ♂ C. pusillus - T=8x4mm - very light fat 22.7
no molt, no b.p. - nest cup displayer - bill 18

1934 ♂ ____ T=7x4 m - very light fat 23.2
no molt, no b.p. - aerial display - bill 18mm

NEB

1935 ♂ C. melanotos T=12x6 - very light fat 104.1 g
no molt or b.p. - #1 - NWS - R

1936 ♀ C. alpina - ova 4, 2, <1mm - very light fat - 60.6 g
no molt, no b.p. bill = 38mm - in flock 1 Y

1937 ♂ ____ T=11x6mm - very light fat 54.5
no molt or b.p. - (R) bill = 34mm

S

1938 ♀ ____ - ova 9, 4, 3, <2 mm - 68.8
light fat; no b.p. - with #1937 - who
did not fly away when she was shot (R)

6 June Barrow, Alaska

Voth

1939 ♀ C. melanotos - ova to 5mm. moderate fat - 76.2
no b.p. - no molt - coll. near pond k - NW
Voth Area - feeding in upland area - ♂ nearby

Village flats

1940 ♀ ____ ova to 3mm - 4 coll. follicles 74.9 g
brood patch well developed

1941 ♀ C. pusillus - ova 8, 3, 3, <2 m - 27.9
very light fat, no brood patch, no molt

1942 ♂ ____ T= 8x5m - very light fat 23.4
no b.p.

1943 ♂ ____ T= 9x5m - very light fat 24.9
no b.p.

1944 ♂ ____ T=6x4mm very light fat 24.2
no b.p.

Holmes, R
1963

Catalog

7 June Barrow, Alaska

W 1945 ♀ C. melanotos - ova to 5mm - light fat - 69.4
no molt or b.p.

W 1946 ♀ — ——— - ova to 4m - light fat 65.2
no molt or b.p.

W SEB 1947 ♂ — ——— T=14×7 m - very light fat 109.5
no molt or b.p.

W 1948 ♂ Arenaria interpres T=9×5mm - light fat 100.6
no molt - no b.p. - fat was yellow + hard
(in texture)

ns 1949 ♂ Phalaropus fulicarius T=11×6 - light fat 53.3
with ♀ - in pond so. of Wohl. f. - no b.p. - no molt

ns 1950 ♀ Phalaropus fulicarius - ova - very light fat - 53.9
(MACLEAN #11)

s. 1951 ♂ Calidris alpina - 12×6 m - very light fat 51.1
no molt, no b.p.

8 June Barrow, Alaska

W 1952 ♂ C. melanotos T=13×6 - very light fat 94.0
no molt or b.p.

W 1953 ♀ — ——— ova - 1 lg. rupt. - 9, 4, 2 2 + 1 Rupt. foll. 87.1
- light fat, no molt, b.p. clearing

W 1954 ♂ C. alpina - T=8×4 m - very light fat 50.2
- b.p. developed, vasc. + opaque - no molt

W 1955 ♂ — ——— T=10×5 m - light fat 58.0
- b.p. developed + vasc. - no molt b, 11:34 m

W 1956 ♀ C. pusillus - ova to 2mm - light fat 28.6
- 4 rupt. foll.; b.p. developed (+). no molt

Holmes, R
1963

Catalog

8 June Barrow, Alaska

W 1957 ♂ C. melanotos - T = 13 x 7 mm - light fat 166.6
no molt or b.p. - R - M

W 1958 ♂ C alpina - T = 14 x 6 - very light fat - 52.7
no molt, no b.p. - No. shore costal - displayer

W 1959 ♂ C. pusillus T = 8 x 4 mm - very light fat 23.4
no molt, broodpatch clearing - some vascularization evident.

9 June Barrow, Alaska

W 1960 ♂ C. alpina - T = 12 x 5 - moderate fat 65.4
- no. b.p. or molt bill = 35 mm

W 1961 ♂ C. bairdii - T = 11 x 5 m - very light fat 39.3 g
no molt, no b.p. - did aerial display

W 1962 ♂ C. bairdi - T = 8 x 4 m very light fat 42.3
no molt ~~-~~ b.p. - cleared + partly vascularized

10 June Barrow, Alaska

W 1963 ♂ C. melanotos T = 15 x 8 m - very light fat - 99.2
no molt or b.p

W 1964 ♀ — ——— ova to 3 mm - moderate fat 70.0
no molt; no b.p

12 June Barrow, Alaska

W 1965 ♂ Arenaria interpres - T = 11 x 5 mm - mod. fat - 119.2
b.p. - well developed, no molt - R -

W 1966 ♂ C. alpina - T = 10 x 5 m - very light fat - 55.8
no b.p. - no molt - R bill = 32 mm

W 1967 ♂ C. melanotos T = 14 x 7 mm - very light fat 102.1
no molt - R

Holmes, D.
1967

Catalog

12 June Barrow, Alaska

W 1968 ♂ C. pusillus - T = 7x3mm - very light fat - 27.2 g
no molt, no b.p.

15 June Barrow, Alaska

W 1969 ♂ C. bairdi - T = 9x4mm - very light fat - 41.1 g
no molt, b.p. defeathered (not vasc.).

16 June Barrow, Alaska

M.S. 1970 ♂ C. melanotos - T = 11x6mm - very light fat 99.2
no molt or bp.

W 1971 ♂ ______ T = 14x7mm - light fat 116.6
no molt or bp

W 1972 ♂ ______ T = 12x7m - very light fat 104.5
no molt or bp.

W 1973 ♂ C. alpina - T = 11x5mm - light fat 51.0
Prim #1&2 dropped from each wing - pin visible in #1 - but not yet protruding - no other molt. Brood patches. bird chased c defeat display. bill: 33mm

W 1974 ♀ ______ Ova = 10mm - 3, 2, <2mm 63.9
Pr - 3 rupt. follicles. fat = light. bill = 38mm
no molt; brood patch opaque - not thickened, vascularized

W 1975 ♂ ______ T = 9x5mm - very light fat 50.8
- no molt - brood patch cleared but not thickened or vasc. - (less well developed than his ♀'s - #1974).

Holmes, R. 8.
1963

Catalog

16 June Barrow, Alaska

W 1976 ♀ C. bairdi - ova 15, 8, 5, 3, <2mm - very light fat - 39.0
molt: crown O→B; Dorsum O→C; rump O; throat O-C;
breast O→C. brood patch well developed
bill = 24mm. Bird in heavy molt - even tho
eggs not laid yet - paired with #1977

W 1977 ♂ C. bairdi T = 8x4mm - very light fat - 36.7
no molt: brood patch defeathered but not
vascularized or opaque.
- Since #1976 had well developed broodpatch -
yet no collapsed follicle were evident - perhaps
she had an early clutch + lost it - this
may be a new mate -

W 1978 ♂ ______ T = 8x5mm - light fat 39.5
- no molt, b.p. - defeathering - not developed

W 1979 ♂ C. alpina T = 9x5mm - very light fat 56.8
- no molt; brood patch clearing - not vasc.

13 June Ogotoruk Creek, ______ feet, Cape Thompson, Alaska
1980 ♂ Calidris canatus T = 11mm - very light fat - 120.0g
- brood patch - - collected while in
distraction display from a nest /
4 eggs - (recently laid - less than 1 day
development).

Logsdon - # 630616-1 - C bairdi - 39 gm
T = 9mm - very light fat

(margin notes: Schamel? ... C.M.; Jiving? with ... clutch B.H.; - th. BR; B R - 1st yr? no ... ; B R -)

Holmes, R.
1963

Catalog

17 June Barrow, Alaska

Elson R 1981 ♂ C. melanotos - T = 14x6 mm - very light fat 101.5
no molt or b.p. - R -

No. meadow lobe 1982 ♂ C. ______ - T = 12x7 - very light fat 84.9
no molt or b.p.

west of gasline ridge 1983 ♀ C. bairdi - ova ~10, 7, <3mm - light fat - 62.6
2 coll. follicle (1 ovum in oviduct)
crown O[2]; dorsum - O→C; rump O; throat O→B
breast O→C.

5 June Barrow, Alaska

1984 ♂ Ad. Hylocichla minima T = 11x7 mm - light fat 30.3g
stomach contents: 13 snails, 2 Ad Carabids, 2 larval Pedicia.

18 June Barrow, Alaska

So. Vich 1985 ♂ C. melanotos - T = 14x7 - very light fat 90.4
no molt nor b.p.

1986 ♂ C. alpina - T = 10x5 - light fat 56.0
no wing molt - b.p. - defeathered but not develop.

1987 ♀ _ ______ - ova 16, 10, < 4mm - + 3 coll. follicle - 78.2
Prim # 1&2 dropped - blue pin just breaking in
both sockets. Brood patch cleaned + partially
vascularized. light fat

19 June Barrow, Alaska

1988 ♂ C. melanotos T = 13x7 mm - light fat no molt or b.p. - 114.3
No. BR 1989 ♂ _ ______ T = 13x7 mm - very light fat " " . 92.4
1990 ♂ _ ______ T = 14x6 mm - " " " " " " " 99.3
1991 ♂ _ ______ T = 11x7 mm - " " " " " " " 104.3
1992 ♂ C. alpina - T = 9x4 mm - very light fat - 50.3
no b.p. (started to clear - 1st 3 prim. lost.

Holmes, R.
1963

Catalog

19 June Barrow, Alaska

W 1993 ♂ C. pusillus T = 7x3mm - very light fat 25.2
no molt, no b.p.

W N BR 1994 ♀ ___ ___ ova 12, 5, 4, 4, <2m - very light fat 30.8
no molt. b.p. cleared but not well developed
- paired with # 1993

W Fresh lake 1995 ♂ C. bairdii - T = 8x5mm - very light fat - 41.5
molt: crown O->B; dorsum O->C; rump O; throat O->C; breast O-C
brood patch well developed

W 1996 ♀ ___ ___ 2 rupt. foll. + ova at 16, 8, 4, <2mm - very light fat 54.9
NBR molt: crown O; dorsum O->B; scap O->B; rump O
throat O; breast O-A. brood patch clearing &
partially developed

W 1997 ♂ ___ ___ T = 7x4mm - very light fat 40.8
molt: crown O; dorsum O-B-C; scap O-B-C; rump = O
throat = O->A; breast O-B; bp developing
- paired with 1996

20 June Barrow, Alaska

W 1998 ♀ C. alpina - ova 20, 16, 7, 4, <2m - very light fat 73.7
wing molt (#1, 2, 3 - ½" pin - #4 missing)
So. BR (No. mead lake) b.p. cleared: not well developed bill = 36mm

W 1999 ♂ C. alpina - T = 7x4m - light fat 56.4
wing molt (#1+2 missing) bill = 34mm bp developed

W 2000 ♀ C. alpina - ova 20, 12, 5, <3m - light fat 80.1
wing molt (#1+2 pin - #3 - m) - b.p. develop
- 2 rupt. follicles (1 ovum in oviduct).
bill = 37mm.
paired with 1999

Holmes, R. 1963

Catalog

20 June Barrow, Alaska

W So. Voth 2001 ♂ C. melanotos - T=15x7m - very light fat - 94.9
no molt - bp
W 2002 ♂ — ——— T=11x6mm - light fat 109.0
no molt - no bp
S Voth 2003 ♂ C. pusillus - T crushed - light fat 21.1
- no molt; bp cleared but not well developed
W 2004 ♀ — ——— ova 6, 4, 3, <2m - very light fat 27.3
- no molt; bp. clearing -
paired with #2003

22 June Barrow, Alaska

W E. Voth 2005 ♀ C. melanotos - ova 14, 8, 5, <2mm - light fat 99.5
- 1 coll. follicle (egg in oviduct). no molt
bp clearing
W 2006 ♀ C. pusillus - 2 coll. follicle (1 ovum in oviduct) - 40.0
ova 6, 4 <2mm - very light fat - no molt -
bp. clearing
W 2007 ♂ — ——— T=5x3 - light fat 22.7 ~~22.7~~
no molt - b.p. just starting to clear (not paired with above ♀)
W 2008 ♀ C. alpina - ova to 3m - 4 coll. follicle - very light fat 62.5
wing molt (p #1, 2, 3 (= ½" - c) #4 = A, #5 = m).
bp well developed. bill = 37m
W So. Voth 2009 ♀ C. alpina - ova to 3m - 4 coll. follicle - very light fat 63.1
wing molt: #1, 2, 3, 4 = ½" B, #5 = m.
upper prim. coverts #1, 2, 3 = 1/8" A
brood patch well developed
bill = 36m

Holmes, R.
1963

Catalog

22 June Barrow, Alaska

w [WBR] 2010 ♀ C. bairdii, wall, 5 ... c 7m - 1 coll. follicle (with egg in oviduct). - b.p. - developing - very light fat No molt 45.6

w 2011 ♂ — —— T = 8 x 3 m - very light fat 38.6
no molt - PAIRed with # 2010

w NBR 2012 ♀ —— -3 coll. foll. 1 was at 7mm - rest c 3m. 47.3
molt: crown o-c, dorsum o-B, rump + scap = 0
throat o-c. breast o-c. Very light fat.

23 June Barrow, Alaska

w NBR 2013 ♂ C. melanotos - T = 12 x 5 m - very light fat 103.7
no molt - no b.p - R

25 June Ikroavik lake, 5 mi So. E. Barrow, Alaska

s 2014 ♂ ad. "Calidris" fuscicollis 42.1g
Light fat. Testes 10mm. ... Skin

w [So VoM] 2015 ♂ C. bairdii T = 8 x 4 m - moderate fat 48.7
crown o-A, dorsum o-c, rump o-A; scap o-c
throat o-c, breast o-c. b p well developed. No throat vasc.

w 2016 ♂ C. melanotos - T = 11 x 5 m - very light fat 92.5
no molt, no b.p.

w 2017 ♂ —— —— T = 13 x 7 m - very light fat 84.5
no molt, no b.p.

w 2018 ♂ C. alpina - T = 8 x 4 m - very light fat 55.7
No. - Ikroa. prim 1+2 = ½" A, #3 - ¼" - A, #4 = M.
- no other molt, b p well developed

Holmes, R
1963

Catalog

26 June Barrow, Alaska

NEL 2019 ♂ C. melanotos · T = 11×5m very light fat · 97.0
no molt or bp - R -

NEL 2020 ♂ — ——— -T = 14×7 - very light fat 102.5
no molt or b.p. —

So. BR 2021 ♀ C. alpina - ova 16, 13, 5, < 2mm - 1 coll. follicle - very light fat · 67.6
prim 1→4 = 1¼"C, #5, #5 = 1"C & #6 ~ ½"A
bill = 37mm - - b.p. developed
upper prim coverts · starting to molt.

E. Voth 2022 ♀ C. alpina · ova 16, ?, 3 < 2mm · no coll. follicle 66.2
prim 1→4 = 1"C; #5 = ½" A. (upper prim cov 1→4 = ½"C
u.p.c. # 5 = 0). very light fat — bill = 31 mm
· b.p. well developed incl. vasc. · could
this be a second clutch? yes - conf. FAP

So. Voth 2023 ♀ C. melanotos · ova 21, 14, 8, 7, < 5mm - 1 coll. follicle · 95.5 w/ ovid. 95.4
b.p. developed. - very light fat (80.2 g with egg removed)
body molt: crown 0 - B, dorsum 0 - A, scap & rump = 0, thr. & br. = 0

So. Voth 2024 ♂ — ——— · T = 8×5 · moderate fat 100.2
molt: crown 0 - C ; dorsum 0 - A - B, scap 0 - A, rump 0 - B
Throat 0 - A - C ; breast 0 - A, No b.p.
- from group / 6 - So. Voth

So. Voth 2025 ♂ — ——— T = 9×4mm - moderate fat 112.3
apparently beginning / molt on scapular area
where scattered pin (A) feathers
(10/cm²) were [vascular]. No molt elsewhere.
No b.p. Lone bird but may have been
a member of nearby flock

RTH
1963

Catalog

26 June Barrow, Alaska

2026 ♀ C. melanotos - ova to 5 mm + 4 coll. follicles 68.1
- no molt, b.p. well developed - light fat

E von — 2027 ♂ — ________ T = 11 x 7 mm - light fat 103.7
no molt - no b.p. Above ♀ gave tail-ups up to this ♂ - He then circled & displayed (hooted) over her.

2028 ♂ C. melanotos - T = 12 x 5 mm - no fat 83.8
no molt - b.p. - bird found dead near insect plot - with wound on back / neck (jaeger - eskimo?).

27 June Barrow, Alaska

NBR 2029 ♂ C. melanotos - T = 10 x 5 - moderate fat 108.4
body molt. crown 0-A, dorsum 0-A - no other molt - no b.p.

2030 ♂ — ________ T = 10 x 5 - light fat 91.0
no molt, no b.p. -
above 2 from flock /12

NBR 2031 ♀ C. bairdii - ova to 5 mm - 4 coll. follicles (1 ovum in oviduct) 54.7
crown 0-B, dorsum 0-C [thr + br / rump + scap 0-C]
b.p. well dev. + vasc. very light fat

2032 ♂ — ________ T = 7 x 4 mm light fat 43.3
no molt. b.p. dev.

2033 ♀ ________ ova to 3 mm - 4 coll. follicles 49.5
crown, dorsum 0-C; rump 0, scap 0-C
thr. + neck 0-C. b.p. well dev. + vasc.
very light fat. Oviduct still enlarged,
coll. foll. were still large. Clutch
probably completed in last few days.

paired with 2032

RJH
1963

Catalog

28 June Barrow, Alaska

2034 ♀ C. alpina - ova to 5 mm - 4 coll. follicles - 66.8
prim 1-4 = 2" C, #5 = 1" C, #6 = M. - upper ~~tail~~ prim coverts - pins
very light fat bill = 36 mm

So. 1 BL

2035 ♂ C. melanotos T = 14 x 6 mm - very light fat 94.2
- no molt - no b.p.

W. Van 2036 ♂ C. alpina - T = 9 x 4 mm - very light fat 58.7
prim 1-4 = 4/5 C, #5 = ½ C, #6 = B. b.p. well dev.
bill = 33 mm

2037 ♂ J. Arenaria interpres - T < 1 mm - very little fat - 17.6

2038 ♀ J. ____ ____ - Ova < 1 mm - " " " 18.4

29 June

2039 ♂ C. alpina T = 8 x 5 mm - very light fat 55.9
prim 1-4 - 3/4 C, #5 = 1/3 C, #6 = M. Upper prim cov. - 2/3 C - 1/3 C
b.p. well developed. bill = 34 mm

RB ridge

2040 ♂ ____ ____ T = 10 x 6 - light fat 54.7
prim 1-3 = F; #4 = 4/5 C, #5 = ½ C, #6 = A, #7 = M
b.p. well dev. - bill = 29 mm

S. Van 2041 ♀ ____ ____ ova to 3 mm - 4 coll. follicle - 60.5
prim 1, 2, 3 = 2/3 C, #4 = ½ C, #5 = A
b.p. well developed - very light fat bill = 38 mm

2042 ♂ E. pusillus - T = 4 x 2 mm - very light fat 24.1
crown - dorsum O-B, rump scap = O throat O-B-C, -
breast O-C. B.p. - starting to
refeather - had been well dev.

E Van

RTH
1963

Catalog

29 June Barrow, Alaska

2043 ♀ E. pusillus · ova to 1mm · 4 foll. - light fat 25.9
crown O-C, dorsum O-C, rump O-C, scap - O-B.
Throat - breast O-C. b p well dev.

EVM 2044 ♂ — ———— T = 5x3 - light fat 29.1
crown - dorsum - rump O-A. Scap = O.
Throat + breast O-A. (few A on edge / b.p - but
b. p well developed.

2045 ♀ — ———— ova < 1mm - mod. fat 30.0
Crown + dorsum O-C, rump + scap = O
breast + thr = O-C. b p well developed
(with some pin feathers along the edges)

ABCS 2046 ♂ E bairdii T = 6x4mm - very light fat 39.7
crown O-C, dorsum O-A-C; rump O-A, scap O-B
Throat + breast O-B-C. b p well developed
but A + B feathers around edges. Shot from
nest - ie incubator (nest located 6-25 + it
had 4 eggs at that time).

30 June Barrow, Alaska

2047 ♂ E. bairdii - T = 6x3mm. light fat 45.3
crown - throat = O-B-C, rump = O-A, scap O-C.
Throat + breast O-C. b p well developed -
but with A-B feathers on periphery

ABCS 2048 ♂ — ———— T = 5x2mm light fat 44.0
crown - throat = O-C-D. rump = O, scap = O-B.
Throat O-C-D. breast O-C-D.
b. p well dev - as above

Holmes
1963

Catalog

1 July Barrow, Alaska

W 2049 ♀ Pluvialis dominica - ova ≤ 2mm - light fat 161.4
RBR b.p. well developed. molt on all feather tracts O-A-C. Secondary coverts also molting but not remiges

✓ 2050 ♂ C. melanotos T=10×5mm - very light fat 98.4
SBR body molt: crown = O, rump dorsum = O-A - remainder = O

~~2 July~~

✓ 2051 ♀ C. melanotos - ova ≤ 3mm - no fat 48.4
voth bp well developed - no molt

3 July Barrow, Alaska

✓ 2052 ♂ C. alpina T=5×3mm - very light fat 55.3
prim 1-4 = E, #5 = 4/5 C, #6 = ½ C - no other molt
SoVoth bp. well dev. bill = 33mm

W 2053 ♂ ___ ___ T=8×4mm - very light fat 57.0
#1-4 = E, #5 = D, #6 = 2/3 C, #7 = A
bp well dev. bill = 34mm
RBR prim 1-5 = E, #6 = D, #7 = 1/3 C. Upper prim coverts molting thru #8. Upper 2nd ary coverts dropped & A-C are now present

W 2054 ♀ C. alpina - ova ≤ 2mm - very light fat 65.2
bp well dev. bill = 37mm

RS 2055 ♀ Juv. C. alpina - ova < 1mm - no fat 8.6

2053 + 2054 - pair -
2055 - their chick -

Holmes, R
1963

Catalog

4 July Barrow, Alaska

2056 ♀ E. bairdii - 4 coll. soft - 1 rummondue - 52.8
body molt - crown + dorsum O-C; scap O-B, rump O
throat + neck = O-C . bp - developed -
very light fat
- found dead in drum area - KK Bohnsack

2057 ♂ J. E. pusillus - T-<1m - no fat 6.3g
- found dead in drum area - other member
1 brood ~~fe~~ seen by KK Bohnsack

5 July Barrow, Alaska

2058 ♂ C. melanotos - T=13x6m - very light fat 91.2
- no molt - noting

2059 ♀ ___ ___ - ovate 2m - very light fat - 50.2
no molt - b.p well dev. - assoc. with
#2058 when shot

2060 ♂ ___ ___ - T=7x3m - light fat 97.1
Body molt: crown-dorsum O-B-C; rump O-B (scap →)
throat-neck: O-B-C

2061 ♂ ___ ___ T=4x2m - light fat 98.4
crown-dors-scap O-A-C; rump O-A; thr-br - O-C

2062 ♂ ___ ___ T=10x5 - very light fat 92.3
crown O-A, dorsum O-A, R-S=O, thr-br = O-A

2063 ♂ ___ ___ T=5x2m - light fat 101.7
cr-ds. O-C, r-scap-O-C; thr-br = O-C

2064 ♂ ___ ___ T=7x3m - light fat 101.0
all recorded tracts O-A

2065 ♂ Juv ___ ___ T=<1m - no fat 8.4
No. Vik 113
2066 ♀ Juv ___ ___ ova 4m - " 8.4

Holmes, RT
1963

Catalog

5 July Barrow, Alaska

2067 ♂ E. pusillus -T=2x1mm - very light fat 24.8
body molt O-C in scap + breast - remainder = O.

2068 ♀ — ova to 1mm - very light fat 26.6
crown O-C, dorsum O-C-D, rump O or E?
scap O-C, thr-br = O-A. b.p. well dev -
as in 2067 - both with following chicks

2069 ♂ Juv. — — T - < 1mm - no fat 7.6

2070 ♂ Juv. — — T = < 1mm no fat 7.1

2071 ♀ Juv. — — ova < 1mm - no fat 7.1

2072 ♂ Juv. — — T = < 1mm - no fat 7.9

2073 ♀ E. pusillus - ova to 1mm - very light fat 27.8
body molt: crown rump scap = O, dorsum, thr-br. = O-A
b.p. well dev. - starting to refeather

2074 ♂ — — T = 2x1mm - very light fat - 23.1
body molt: dorsum O-A - all else O. b.p. well
developed

2075 ♂ — — T 3x2 - very light fat 23.6
body molt: crown O-C; dorsum O-B, scap O-C
rump = O thr+br = O-C. b.p. well dev.

2076 ♂ E. bairdii -T=4x2mm - very light fat 42.9
crown O-C; dorsum O-B-C; scap rump O-B
thr-br O-B-C. b.p. well dev. - molt at
edges

2077 a ♂ Phalaropus fulicarius. T=6x3m - light fat - 54.8
b.p. well dev - no molt

b ♂ — — T=11x5m - light fat 53.1
b.p. well dev - no molt

RTH 1963

Catalog

5 July Barrow, Alaska

2077 c ♂ Phalaropus fulicaria T=11x5mm - light fat - b.p. - no molt - 54.2

2077 d ♀ ______ ______ ova to 2mm - 4 corp lut. - very light fat 56.7 - no molt - no b.p.

6 July Barrow, Alaska

2078 ♀ C. alpina - 2 laid, 1 in oviduct, 1 ova at 16mm - next ovu to 5mm 76.1 — N. gushie R.

#1-5 = E, #6 = 1/3 C #7 = A, 8,9,10 = 0 - no other molt

very light fat

2079 ♀ Pluvialis dominica - ova to 2mm - light fat 176.4

body molt O-B - on all body tracts. b.ps regressed & have 4 feathers - coll. for Hal / 3 - gushie ridge

8 July Barrow, Alaska

2080 ♂ C. alpina T=6x4mm - no fat 53.0

prim 1-4 = E, #5 = 4/5 E, #6 = 2/3 C, #7 = A

right central tail feather = m. No other molt

b.p. well developed bill = 34mm

2081 ♀ C. bairdii - ova to 1mm - very light fat 46.4 — ABCS

crown, dorsum, scap O-B, rump = O, thr + breast = O-C

b.p. well dev. - not feathering

2082 ♀ ______ ______ ova to 1mm - light fat 45.5

crown O-A, dorsum + scap O-C, rump = O

thr + br = O-C. b.p. well dev.

2083 ♂ ______ ______ T = 4x2mm. very light fat 42.6

crown, dorsum, scap = O-C-D, rump = O or E?

thr. + br = O-C; b.p. well dev.

Helmer, P.
1963

Catalog

9 July Barrow, Alaska

2084 ♂ C. melanotos - T=10x5mm - light fat 103.5
crown, scap, dors = 0-A, Rump=0, thr = 0, breast=0-A

So. Vom 2085 ♂ — ——— T=5x2 - light fat 101.6
cr - sc - ds = 0-C, rump=0-B, thr = 0-C; br = 0-C

2086 ♂ ——— T=4x2m - mod fat 96.7
cr, ds, sc = 0-B-C, rump=0 thr-br = 0-C

10 July Barrow, Alaska

2087 ♀ C. melanotos - ova to 1.5mm - coll. foll. not visible - 76.9
moderate fat - no molt - b.p well dev.

godwin R 2088 ♀ E. pusillus - ova to 2mm - very light fat 26.9
crown 0-B, dsm - 0-C-D, scap 0-B, rump=0
thr=0-C-D (breast + thr - lacking the streaking - are of small spots) - breast=0-C
bp well dev.

2089 ♂ E. bairdii T=3x1mm - very light fat 44.0
crown, dsm . scap =0-C-E, Rump=0 thr-br = 0-C-D
bp. well dev

ARCS 2090 ♂ — ——— T=3x2mm - light fat 45.9
crown - dorsum = 0-C-E, scap = 0-C-D Rump=0
thr = B - E, (all buffy) - br = 0-C-D
bp. well dev.

2091 ♀ C. alpina - ova to 2mm - very light fat 59.5
N. Vom prim 1-4=E, #5 = 3/4 C, #6 = 1/2 C, #7=m - no other molt
- b.p. well dev. bill = 36mm

2092 ♂ — ——— T=7x4mm - very light fat - 54.5
NBR prim 1+2=E, #3 = D, #4 = 2/3 C, #5 = 1/3 C, #6=A
bp well dev bill=34—

Holmes
1963

Catalog

10 July Barrow, Alaska

2093 ♂ C. alpina T=6x3 mm - very light fat 56.0
bill=35
prim 1-4=E, #5=4/5 C, #6=1/2 C - b p well dev

2094 ♂ __ ____ T=4x2 mm - very light fat 50.3
prim 1-4=E, #5=D, #6=1/2 C. 2nd #1=2/3 C - rest=O
bill=35 mm - b p well dev.

2095 ♀ Juv __ ____ ova<1 mm - no fat 10.3 g
2096 ♀ Juv __ ____ " " 9.9 g
- above 2 near #2093 + 2094.

2097 ♂ C. alpina - T=3x2 - very light fat 55.0
#1-6 = E, #7 = 2/3 C, #8=M, Sec-#1=1/2 C.
bill=33 mm b p well dev.

2098 ♀ __ ____ - ova to 1 mm - very light fat 60.5
#1-5 = E, #6 = 4/5 C, #7 = A. - b p well dev - bill=38

2099 ♂ Juv __ ____ T=<1 mm - no fat 13.9
- with 2097 + 2098

(Gustins ridge)

12 July Barrow, Alaska

2100 ♂ Arenaria interpres - T=4x2 mm - very light fat 93.4
- no molt - b p well dev.

2101 ♀ __ ____ - ova to 2 mm - light fat 119.1
crown-dsm, scap-~~rump~~ =O-C, Rump=E; Thr = O-C, br O-A.,
b.p developed - not heavily vasc - prob. repeating

2102 ♂ C. alpina - T=3x2 mm - very light fat 55.1
1-6 = E, #7 = 3/4 C, #8 = A. bill=38 - b p well dev

2103 ♀ Juv. __ ____ ov<1 mm - very light fat 26.7
with #2102.

Holmes
1963

Catalog

12 July Barrow, Alaska

2104 ♀ C. alpina - ova to 2mm - very light fat 65.6
1-5 = E, #6 = 3/4 C, #7 = B. upper-prim & 2nd coverts - molting (see molt record) - body molt - crown: 0-B - all remain = 0. bp. well dev - least dev. A. feathers.

2105 ♀ ___ - ova to 2mm - very light fat 59.1
#1+2 = ½ C, #3 = B (#1 upper covert = ½ C, #2 = M).
Tail 0-0-0 0 - M - B // M-M M - 0-0-0
bp well dev - no body molt bill = 40mm
- above 2 from flock 1/12 - E.B.R.

2106 ♂ C. pusillus - T = 2x1mm - very light fat 25.4
crown 0-C-E, dsm scap 0-C-E. rump = 0?
Br-br = 0-C-D bp well dev

2107 ♀ ___ ova to 1mm - light fat 31.3
Cr-dsm-scap Br-br = 0-C; rump = 0 - bp well dev

2108a ♂ C. bairdii T = 3x1 mm - very light fat 41.3
crown 0-C, dsm 0-C-D, Scap. Rump 0-C; Br = 0-C-E, br = 0-C
bp. well dev.

2108b ♀ ___ ova to 1.5mm - very light fat 47.7
Cr = 0-C-D, dsm 0-D-E; rump = 0, scap = 0-C-D
Br: 0-C-D, Br: 0-C

2109 ♂ Imm Juv. C. pusillus - T = 1mm - very light fat 20.7
- flying & adults present

2110a ♀ C. melanotos - ova to 1mm - very light fat 57.9
bp well dev.

2110b ♀ Juv. C. melanotos - ova < 1mm - no fat 18.2
with # 2110.

Holmes, R.
1963

Catalog

12 July Barrow, Alaska

w 2111 ♀ C. melanotos - ova to 1mm - very light fat ~~[illegible]~~ 56.3
crown O-C - no other molt. b.p. well dev.

So VoR
2112 ♂ Juv. _ ________ T <1mm - no fat 11.5
2113 ♀ Juv _ ________ ova <1mm - no fat 9.0
2114 ♀ Juv _ ________ ova <1mm - no fat 10.4
above 3 with # 2111
2115 ♀ Juv. _ ________ ova <1mm - very light fat - 30.0

13 July Barrow, Alaska

2116 ♀ C. melanotos - ova to 2mm - very light fat - 56.3
crown O-A, few A on breast near b.p. - which was still well dev.

RBR
2117 ♀ Juv. _ ________ ova <1mm - very light fat 20.6
2118 ♀ Juv _ ________ ova <1mm - very light fat 24.6
2119 ♀ Juv _ ________ ova <1mm - very light fat - 25.1
2120 ♂ Juv _ ________ T <1mm - very light fat 25.0
all 4 Juv with ♀ # 2116 - wet / Footmud lab - RBR

12 July Bernard River, BANKS ISLAND, CANADA. coll. by D.A. Muller

S 2121 ♀ Erolia fuscicollis - follicles to 2mm - very light fat 38.6
no molt. Brood patch well developed
- accompanying the following chicks
2122 ♂ Juv. ___ ________ T = <1mm - very light fat 12.8
2123 ♀ Juv. ___ ________ ova <1mm " " " 13.3
2124 ♀ Juv. ___ ________ ova <1mm - very light fat - 11.5

S 2125 ♀ Erolia fuscicollis - ova to 1mm - light fat 37.8
no molt - b.p. - well dev. - probably with chicks

Holmes, R.
1963

Catalog

12 July Bernard River, Banks Island, Canada
2126 ♀ Calidris melanotos - foll. to 1mm - very light fat 49.8
no molt; bp well developed

14 July Barrow, Alaska
2127 ♂ Calidris alpina - T = 4x2 - very light fat 55.2
P 1-6 = E, #7 = 3/4 C, #8 = A - 2nd #1 = 2/3 C, #2 = B
Voth crown = O-A - no other molt - bp well dev.
2128 ♂ Juv. ____ ________ T = 1mm - very light fat 30.8
2129 ♀ Juv ____ ________ ova < 1mm - " " " 28.5

15 July BARROW, ALASKA
2130 ♀ Juv Ereunetes mauri - ova < 1mm - no fat 5.2g
SBR - 1 of 4 - beach ridge census plots
· color of soft parts identical to E. pusillus
· but more red in downy plumage
NDR 2131 ♂ Juv. Ereunetes pusillus - T < 1m very light fat 9.8
2132 ♀ Erolia melanotos - ova to 1m - light fat 65.4
gustin crown = O → C - no other molt - bp well dev
2133 ♀ Erolia alpina - ova to 1mm - very light fat 58.2
1→6 = E, #7 = ½ C - bp. well dev.

16 July Barrow, Alaska
Voth [2134 ♂ Juv. Erolia melanotos - T = 1mm - very light fat 20.4
2135 ♀ Juv. ____ ________ ova < 1mm " " " 38.7

17 July Barrow, Alaska
2136 ♀ Juv. Erolia melanotos - foll. < 1mm · very light fat 36.4
2137 ♂ Juv. ____ ________ T = 1mm - " " " 22.9
2138 ♂ Juv. ____ ________ T = 1 mm " " " 26.7
2139 ♂ Juv Erolia alpina T = 1mm - " " " 35.4
2140 ♀ Juv. ____ ________ foll < 1m " " " 30.2

Holmes, R.
1963

Catalog

17 July Barrow, Alaska

So. VOR
2141 ♀ E. alpina - foll. to 1 mm - very light fat - 59.9
1-5 = E, #6 = D, #7 = 1/3 C. 2nd #1 = 1/3 C
bp well dev - bill = 37 mm
2142 ♀ — ——— foll. to 1 mm - very light fat 60.5
1-5 = E, # 6 = 4/5 C, #7 = 1/3 C. - no other molt
bp well dev - bill = 35 mm
- collected from flock / 6 - So. VOR

So FJP
2143 ♀ — ——— foll. to 1 mm - very light fat - 59.1
1-7 = E, #8 = 1/4 C, 2nd #1 = 1/2 C, #2 = A, #3 = m
bp well dev - bill = 37 mm
2144 ♀ Erolia melanotos foll. to 2 mm - very light fat 56.3
bp well dev - no molt (few A's + B's on periphery of bp)

So. VOR 2145 ♂ — ——— T = 4 x 2 mm - very light fat 84.4
crown - dorsum O-C-D; rump scap O-C; thr-br = O-C-D

AACS 2146 ♀ Erolia bairdii - foll. to 1.5 mm - very light fat 39.2
crown O-C-D, dsm O-C-D-E, Rump = O or E? Scap = O-C-E
br-thr = O-C-D. bp refeathering. A's + B's

18 July Barrow, Alaska
2147 ♂ E. pusillus T = 2 x 1 mm - very light fat 22.2
no molt - bp well dev. prob. with chicks
2148 ♂ E. bairdi T = 3 x 1 mm - very light fat 38.0
no molt. but throat is mostly buffy with a few feathers of breeding plumage left + dorsal + scapular feathers are intermixed with gray + black feathers - as if molt had proceeded partway + then stopped.

Holmes, R.
1963

Catalog

18 July Barrow, Alaska

AMS 2149 ♀ Juv. E. bairdii - light fat - foll. < 1 mm. 19.3
with #2148

ETBR 2150 ♀ E. alpina - foll. to 1 mm - very light fat 60.4
1-6 = O, #7 = ¾ C, #8 = A. 2nd #1 = ½ C, #2 = A.
crown O-C - no other molt. bp well dev

2151 ♀ E. melanotos - foll. to 1 mm - very light fat 59.1
- no molt - b.p. ++

2152 ♀ — ——— foll. to 1 mm - very light fat 60.4
no molt - bp well dev

Voth Skin 2153 ♀ — ——— - foll. to 1 mm - very light fat 58.5
crown - dsm - scp = O-B rump = O - Thr-br = O-A
- bp well dev - mm with A feather at edge

T III 2154 ♂ Juv. — ——— T = 1 mm - very light fat 18.8

T IV 2155 ♀ Juv. Phalaropus fulicarius - foll. < 1 mm - v.l. fat 29.1

19 July Barrow, Alaska

2156 ♀ Pluvialis dominica - foll. to 2 mm - light fat 189.5
crown - dsm - scp O - D - E. Rump - O or E? Thr-br O-D
bp - refeathering

2157 ♀ Calidris alpina - ova < 1 mm - very light fat 57.3
1-6 = E, #7 = D, #8 = ½ C, #9 = A
2nd #1 = D, #2 = ½ C #3 = ⅓ C, #4 5 6 = A.
all under wing coverts (minor) are molting - as
are the lower - upper coverts
crown - dsm - scp - rump = O - C Thr-br = O - A - B
- bp well dev. - being refeathered with A & B
Tail B - B - B - B - ⅓ C, ¼ C, ⅙ C : O - ½ C - ¼ C - B - B - B
- wt - Commencement - to Gustine Ridge

Holmes, R.
1963

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19 July Barrow, Alaska

✓ 2158 ♀ Pluvialis dominica - foll to 1 m - light fat 191.6
crown O-C-E; dsm-scap = E, rump = O-D-F
br-thr = O-D-E. b p refeathered

✓ W Voth 2159 ♂ ____ ____ T = 6x2 m light fat 172.6
crown-rump = C-E; scap-dsm = E, thr-br - O-C-D
b p. - with A + B feather-

✓ 2160 ♀ ____ ____ foll to 1 m - light fat 166.9
cr-dsm-scap-rump A-E thr-br = O-C-E
b p - refeathering

W 2161 ♂ C. pusillus - T = 2x1 m - very light fat 24.9
crown, scap -dsm = O - D; rump = O. thr-br = O-C
b p well dev. - acting as if nest nearby

Britton Drive nS 2162 ♂ ____ ____ T = 2x1 - very light fat 21.8
crown O-D; scap dsm - O-C-D; rump C-E; thr-br = O-C
b p well dev - acting as if nest nearby

W 2163 ♀ C. bairdi - foll to 1 m - light fat 43.5
crown C-D-E - dsm = O-E, rump = D-E scap = O-C-E.
thr = B - E br = C-E. b p. refeathering with A + B

S Voth creek 2164 ♂ Ad Ereunetes mauri - T - 2x1 mm - light fat 25.9
no body molt - b p. well dev.

W 2165 ♂ C. bairdii - T = 2x1 m - very light fat 38.7
NBR crown = C-D-E; dsm BC-E rump = E, scap B-C-E
thr = C-E br = B-E. b p well dev.

W 2166 ♂ ____ ____ T = 3x2 m - very light fat 40.0
crown O-C-D dsm - O-C-D - rump O or E? scap O-D
thr = E, br = O-C-E b. p well dev.

Holmes, R.
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19 July Barrow, Alaska

2167 ♂ C. bairdii - T = 2x1mm - very light fat 38.6
crown O-C-D - dsm O-D-E; rump O-C-E; scap O-C-D
Br = A-E; br = O-C-E. bp. refeathering with A+B

20 July 2168 ♂ C. melanotos - T = 4x2mm - very light fat 81.8
cr. O-C-D; dsm O-C; rump = O or E? - scap = O-C
br - Br = O-C.

ABCS

2169 ♀ ________ - ovary 2mm - very light fat 52.2
cr = O-A-C. dsm = O-A, scap - rump = O - br - Br = O-A.
bp well dev - A feathers at margin.

gadwie R.

2170 ♀ Juv. E. alpina - ovary 1mm - very light fat 33.1

21 July Barrow, Alaska

2171 ♂ C. melanotos T = 3x2 - heavy fat 120.3 g
body molt in all tracts O-C. - Br with bl. vessels still - [illegible]

2172 ♂ ________ T = 2x1 - very light fat 81.9 g
crown, dsm O-C; remainder = O

DR 2173 ♂ C. bairdii T - 3x1mm - very light fat - 40.6
crown O-C-D; dsm O-E, rump O-A. scap O-E
Br + br - O-E. bp with A+B feathers

2174 ♂ ________ T = 3x1 - very light fat 34.1
cr - dsm - scap O-C; rump = O, Br = O-C-D; br = O-C
bp - clear - A feathers at edge

2175 ♀ C. alpina - foll. to 1mm - very light fat 61.7
1-6 = E, #7 = 3/4 C, #8 = B. 2nd #1 = 1/2 C, #2+3 = A. [illegible] = 36 mm
O-O-A-A-B-A//A-A-A-A-OO - upper + lower tail coverts = A+B
cr = O-C, dsm = O-A, scap rump = O-B; Br - br = O-A. bp. refeathering (A)

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21 July Barrow, Alaska

2176 ♀ C. alpina - foll <1mm - very light fat 58.5
1-6=E, #7=D, #8=½c, #9=M. 2nd #1=D, #2=⅔c, #3=½c, #4-5=B, #6=A, #7=m
0-m-A-B-¼c-¼c // ½c, ¼c, B m-00
BR cv=0-B-C, dsm=0-C, rump scap=0-C. thr-br=0-C
bp refeathering with A-C. bill=41mm

2177 ♀ ___ ______ foll to 1mm - very light fat 56.2
1-6=E, #7=¾c, #8=M. 2nd: ¾c, mm
0-0-0-0-0-0 // m-0-0-0-0-0. crown 0-C. - no other body
molt - exc. a few c - in lower rump + upper tail cov,
b.p. well dev. no feathering : bill=36mm
- two above from flock of 3 on beach ridge

22 July Barrow, Alaska

2178 ♂ C. melanotos - T=2x1mm. moderate fat 104.5
cv=0-E, dsm=0-E. Rump=0-C-D. scap=0-D
thr=0-D-E. br=C-E

Elson bluff 2179 ♂ ___ ______ T=3x2mm - light fat 85.8
cr=0-C-D, dsm=C-D-E. scap-rump=E. thr-br=E (or D)
2180 ♀ ___ ______ foll. to 1mm - very light fat - 53.4
cv=0-C. no other molt - bp well dev. no refeath.
2181 ♂ ___ ______ T=3x2mm very light fat 86.3
cr=C-E dsm-scap-rump=E-E. thr-br=0-C-E
2182 ♀ Imm. ___ ______ foll <1mm - very light fat 45.9
- flying - no adult nearby

No. meas. rate 2183 ♂ Juv. ___ ______ T<1mm - very light fat 22.3
Elson bluff 2184 ♀ Juv ___ ______ foll. <1mm " " " 28.3
2185 ♂ Juv ___ ______ T-1mm - " " " 31.5
- 84+85 - from brood of 3 - Elson Bluff

Holmes
1963

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22 July Barrow, Alaska

2186 ♀ *C. alpina* - foll. to 1 m - very light fat 56.8
1-7 = E, #8 = 2/3 C, #9 = A. 2nd 1 = E, #2 = 4/5 C, #3 = 1/2 C, #4,5 = B, 6 = A, 7 = m
2nd 8,9,10,11 = O, #12 = 1/4 C, #13 = 4/5 C, #14 = O
O-O-A-B-1/3 C, 1/4 C // 1/4 C, 1/3 C B-A-O-O
body molt - all tracts O-C. - bp with A-C. bill = 35 mm

So. wobl. gull

2187 ♀ *C. alpina* - foll. to 1 m - very light fat 58.3
1-7 = E, #8 = 3/4 C, #9 = A. 2nd 1 = E, #2 = O, #3 = 3/4 C, #4 = 2/3 C
#5 = 1/2 C, #6 = B, #7 = A, #8 = m, 9-10-11 = O, #12 = m,
#13 = 1/3 C, #14 = O. all body tracts O-C.
bp with A & B. bill = 36 mm

So wobl.
2188 ♂ Juv. ___ ___ T = 1 mm - very light fat 21.7
2189 ♀ Juv. ___ ___ ova < 1 m " " " 23.7
above 2 from separate broods - but were only chicks caught (2 else in one brood - just the one in the other) - polygon - So. / Wobl.

2190 ♂ ___ ___ T = 4 x 2 - very light fat 56.1
So wobl.
1-6 = E, #7 = 4/5 C, #8 = B. 2nd #1 = E, #2 = 1/2 C #3 = m
4-10 = O. #11 = 1/3 C #12 = 2/3 C, #13 = 2/3 C, #14 = 4/5 C
no tail molt: cr = O-B. no other body molt.
bp well dev - no feathers yet. bill = 34 mm

2191 ♂ ___ ___ T = 3 x 2 - very light fat 52.6
1-6 = E, #7 = 4/5 C, #8 = 1/4 C. 2nd #1 = 2/3 C, #2 = A, #3 = m 4-10 = O
#11 = O, #12 = m - #13 = 1/3 C, #14 = 1/2 C - body O-C on crown - none elsewhere
no tail molt. - bp well dev not refeath. bill = 34 mm

N. mid wobl.
2192 ♂ Imm ___ ___ T = < 1 m - very light fat 44.6
2193 ♂ Imm ___ ___ T = < 1 m " " 43.4
above - flying - with 2191. - head rings downy - dorsum D-E.

Holmes, 1963

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27 July Barrow, Alaska

N. Meade R. 2194 ♂ Juv. C. melanotos - T<1mm - very light fat 15.0

Gordon R. 2195 ♀ Juv. Pluvialis dominica - foll<1mm - " " " 35.0

" 2196 ♂ Juv. ______ ______ 19.5

" 2197 ♂ Juv. E. bairdi T=1mm - very light fat 30.0

" 2198 ♀ C. melanotos - foll 1mm - very light fat 54.2

cr = 0-A. no other body molt. - bp with A.

24 July Barrow, Alaska → 56.8

2199 ♀ C. alpina foll. 1mm - very light fat

1-6=E, #7 = 4/5 C, #8 = B. 2nd #1 = 4/5 C, UL = B, #3,4,5 = A = #6,7 ... [illegible]

So. Wahl 11 = A, 12 = E, 13 = 1/2 C 14 = 4/5 C 15 = 4/5 C.

A-A-0-1/4 C - 1/2 C - 1/2 C // 1/2 C, 1/3 C - B - 0 - A - A.

body molt all 0-C. bp with A+B feath bill = 35mm

2200 ♂ Imm. C. bairdi - T<1mm - very light fat 37.1

NBR - flying immature - NBR.

2201 ♀ C. melanotos - foll. 1mm - moderate fat 71.7

So Wahl. cr = 0-B-C dsm = 0 ... - scap 0-C. rump 0-E

Th = 0-A. br = 0 C bp with A-C

2202 ♂ Juv. ______ T<1mm - very light fat 16.6

- not with above ♀ - 1 of 2

N. [illegible] 2203 ♀ ______ ______ foll 1mm - light fat 74.9

cr - dsm scap = 0-A-B. rump 0-E. Th - br = 0-B

- bp with A+B

C.M. 2204 ♂ Juv. Phalaropus fulicarius T<1mm - v.l. fat 26.5

2205 ♀ Juv. ______ ______ foll<1mm - " " 22.1

- above 2 from tapline - 7 & 8

NBR 2206 ♀ Juv. C. bairdi - foll<1mm - very light fat 17.9

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25 July Barrow, Alaska

No FTP	2207	♀ Imm. *C. alpina* ova < 1m. very light fat - flying	43.3
N. mead Lake	2208	♀ *C. melanotos* - foll. to 1m - very light fat bp with A feathers - no other molts!	56.1
	2209	♂ Juv. — T = 1mm - very light fat	36.5
	2210	♀ Juv — foll < 1m - " " " · with ♀# 2208 - So edge of No. meadow lake	34.2
gasline rd	2211	♀ — full to 1m - very light fat cr-dsm scp = 0-C-E. rump = E. thr C-E. br = 0-C-F. bp well dev - some A coming in.	53.1
	2212	♀ — foll. to 1m - very light fat no molt. bp well dev - not refeathering	59.9
	2213	♂ Imm *E. pusillus* T = 1m - very light fat	21.4
	2214	♂ Imm. — T = 1m " " . - above 2 with no down - immature plumage complete	20.8
C. m	2215	♂ Juv *C. melanotos* - T < 1m - very light fat	20.3
BR	2216	♂ Juv *Pluvialis dominica* - T = 1mm - very light fat	47.7
	2217	♀ Juv " " - foll. to 1m " " "	~~44.9~~ 44.9
	2218	♂ Juv. " " T = 1mm - " " "	~~[illegible]~~ 35.0
Fert plot	2219	♀ Juv *Phalaropus fulicarius* foll. to 1m - " "	41.1

2216 - with a band 603-53430 - banded in the nest on 7-18-63 - the day after hatching. - caught 100' from nest site today by snap trap

Holmes, R.
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26 July Barrow, Alaska

So. c.m.
2220 ♀ C. melanotos - foll. to 1m - very light fat - 57.4
cr - dsm - scap O-E. sup: O or E? Thr O - br: o
bp well dev. - no refeathering
2221 ♂ Juv. — ———— T = 1mm - very light fat 27.5
2222 ♂ Juv. — ———— " " " " 26.3
- above 2 with # 2220 - So. c.m.

So. wohl
2223 ♂ Juv. — ———— T = <1m - very light fat - 14.6
2224 ♀ Juv. — ———— foll <1m " " " 14.2
- above 2 of 4 - So. wohl.

So. wohl
2225 ♀ Imm C. alpina - foll <1m - light fat 55.0
2226 ♀ C. alpina follicle to 1m - very light fat 63.5
1-7 = E, #8 = 1/2 C, #9 = A. 2nd 1,2,3 = E, # 4,5 = D, 6 = 3/4 C, 7 = 2/3 C
8 = B, 9 = A, 10 = 0. 11 = B, 12 - 1/3 C 13 = D, 14 = E
B·A·A - 1/3 C, 2/3 - 2/3 // 2/3 - 2/3 - 1/2 · 1/3 - B - B. cor = O-B. scap dsm O-C
Pelv = O - C - D thr O-C. br = O-A. bp. with A-B. bill 37 mm
2227 ♂ C. alpina T = 2 x 1 - very very light fat 51.3
1-7 = E, #8 = 1/2 C, #9 = M. 2nd #1 = E, 2 3 = D, # 4 5 = 4/5 C, # 6 = 1/2 C, # 7 = D
#8 = M, 9+10 = 0, # 11 = A, # 12 = 1/3 C, 13+14 = E
A·O·A·A - 1/3 - 1/3 - // 1/3 - 1/3 - A - M - O - A. cor - dsm hum O-C.
Pelv = O - C - D. Thr. br = O-B. bp - with A-B. bill = 35 mm
2228 ♂ C. alpina T = 3 x 1m - very light fat 52.7
1-7 = E, #8 = D, #9 = 1/2 C, #10 = B. 2nd #1 = E, #2 = D, #3 = 3/4 C,
4 5 = 2/3 C, #6 = B #7 = A, #8 = M, 9+10 = 0. #11 = M, #12 = A, #13 = 1/3 C #14 = 3/4 C
A·O·A·A - B - A // O - B - B - A · M · A cor - dsm = O - A. hum = O-C
pelv = O - C thr - br O - A. bp with A feath. - bill = 32 mm
2229 ♀ Imm. C. alpina · foll <1m - light fat 51.0

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25 July Barrow, Alaska

BR 2230 ♀ J. *Pluvialis dominica* - foll. <1mm - light fat 52.3
cm { 2231 ♀ J. *Phalaropus fulicarius* foll <1m - light fat 30.0
2232 ♀ Juv. *C. melanotos* - foll <1m - very light fat 20.9
BR [2233 ♂ Juv. ___ ________ - T<1m - " " " 28.2
2234 ♀ Ad ___ ________ foll to 1m. " " " 55.7
- no molt - b.p. well dev.
2235 ♀ Imm - *C. pusillus* - ova <1m " " " 20.0
- juv. plumage complete - no down
2236 ♂ *C. bairdii* T=3x1 mm - very light fat - 37.9
cr dsm scp = O-C-E rmp = - thr=O-C-D.
br = O-A-C. bp with A on edge

26 July Barrow, Alaska

2237 ♂ *C. alpina* T=3x2m - very light fat 54.2
1-7=E, #8 = 2/3 C, #9 = A, 2nd 1=D, #2 = 1/2 C, #3=B, #4 5 = A, #6=B-O
#11=O, #12 = A, #13 = 2/3 C; #14=D A-O-O-A-B-D// B-B-A-O-A
N. VoM — cr O-C; dsm O-B. scp O-C. rmp O-B-: thr O-A. br = O-B
bp with A + B. bill = 34mm
NS — 2238 ♂ Imm. ___ ________ T<1m - light fat 48.1
2239 ♂ Imm ___ ________ " very " " 49.3
- above 2 with 2237 + ♀ + 1 more - No VoM
2240 ♂ ___ ________ T 3x2m - No fat 51.5
1-7=E, 8 = 2/3 C, #9 = A. 2nd 1=B, #2=D, #3 = 3/4 C, #45 = 1/2 C
6+7=A 8910=O #11=A, 12 = 1/3 C, 13 = 3/4 C, #14=E.
M-O-A-1/4-1/3-1/3 // B-1/3-B-A-O-O cr-dsm-hum = O-C
pelv: O-C-D thr = O-A br = O-C bp with A-C. bill 35mm

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26 July Barrow, Alaska

BR 2241 ♂ Imm C. alpina - T<1m - very light fat 45.7
Fat. 2242 ♀ Im P. fulicarius ova <1m - " " " 41.1
R.M. 2243 ♂ Juv. C. melanotos - T - <1m - " " " 28.3

27 July Barrow, Alaska

2244 ♀ Im. C. melanotos - foll <1m - very light fat - 43.4
2245 ♀ Im ___ - foll <1m " " - 44.8

28 JULY BARROW, ALASKA

FTP 2246 ♀ Imm. C. alpina - foll. <1mm - light fat 53.7
- molt in humeral stage - some down
2247 ♂ Juv C. melanotos T<1m - very light fat 55.7

29 JULY BARROW, ALASKA

1-8=E, #9=4/5 C, #10=1/3 C.

N. VoR 2248 ♀ C. alpina - foll to 1m - very very light fat 57.1
2nd 1-4=E, #5 6 7=D, 8,9=2/3 C, 10=A.
11=2/3 C, 4/5 C, D, 2/3 C. Tail 1/2·1/3·2/3·2/4·3/1·3/4 // 3/4·3/4·1/2·1/3·1/3·1/3
cr O-C-E. scap-dsm O-C · pelv O-C Thr br = O-B
bp wash A+B bill = 37m

2249 ♂ ___ T=2×1m very light fat 51.7
1-7=E, 8=4/5, 9=1/3, 10=B. 2nd 1-5=E, #6=D 7=4/5 8=1/2, 9=B, 10=A
11=1/3 C, #12=4/5 C, #13·14=E. TAIL -1/3·1/3·1/3·3/4·3/4·3/4 // 3/4·3/4·1/3·1/3·E·E
cr=O-E scap-dsm O-C-E ; rump O-C Thr br = O-C
bp with A feathers. - bill = 35mm

2250 ♂ ___ T=3×2m very light fat 54.9
E.BR 1-7=E, #8=1/2 C, #9=M 2nd. E·A·A·A·M - O·O·C·O·O // O·O·A·2/3
TAIL · O·O·O·O·MM // O→O. Cr - O·A - rump O·O -
scap-dsm O · thr br = O. bp well dn · some A's b. n=33

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29 July Barrow, Alaska

Brant Pt	2251	♀	Imm C. bairdii · foll <1mm · very light fat - Immature plumage complete - no molt	35.4
	2252	♀	C. melanotos · foll. <1m - very light fat cr = 0-C. dsn = 0-A. - no other molt - bp well dev	56.3
	2253	♂	Juv. ___ ________ - T<1m - very light fat with #2252 - 4 1 Brant Pt	20.8

30 July Barrow, Alaska

N. v.o.m.	2254	♂	Juv. C. melanotos T=1m - no fat	27.5

4 Aug. Barrow, Alaska

	2255	♂	Juv. Phalaropus fulicarius · T<1m - no fat	30.9
	2256	♂	Juv. C. melanotos - T=1m - no fat - not flying (prim=35mm) · with #2257	40.0
nS	2257	♀	C. melanotos - foll <1m - no fat cor. = 0→B - dors 0-C - scap 0-C, rump 0-C thr-br = 0-C - bp. developed but beg. to refeather.	51.3

5 Aug BARROW, ALASKA

So. Wahl.	2258	♀	C. melanotos - foll. to 1mm - very very light fat - no molt bp. well dev.	50.0 g
nS	2259	♀	Juv. ___ ________ - foll <1m - no fat · with 2258 - no other juv's seen	27.6
So. C.M.	2260	♀	___ ________ - foll to 1m - very light fat cr-dsn-scap-rump = 0-C thr-br = 0 " - bp. dev - with A-C at periphery	49.6
nS	2261	♀	Juv. ___ ________ · foll <1m - very light fat with # 2260 · no others - not flying	32.3
So. of NBR	2262	♀	Imm ___ ________ foll. <1m - no fat - flying	44.8
nS	2263	♀	Imm Phalaropus fulicarius " " " "	40.9

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5 Aug. Barrow, Alaska

W | 2264 ♀ C. alpina - foll. to 1mm. - no fat 54.4 g
molt - see sheet. bp. refeathering A - C. -1 of 3 bill = 37 mm
Sa. wdl | 2265 ♀ C. alpina - foll <1mm - no fat 60.1
molt - bp refeather with down & A - C. bill = 40
2266 ♂ Imm. ___ ______ - T<1mm - no fat 49.3
juv. plum. almost complete - C - E 3 stages on sides of neck - borders apterae - on sides of pelvic area. Back of head still downy.
- with 2265. (1 of 2 young).

2267 ♂ ___ ______ - T = 2x1mm - very light fat 55.5
N. Volt | molt - bp refeathered bill = 35 mm
- single - at pond edge
2268 ♀ ___ ______ foll. to 1mm - very light fat 56.9
molt - bp. refeathered - bill = 38 mm
- single - wet trough

2 of 12 Brith. Dor. | 2269 ♂ ___ ______ T = 2x1mm - very light fat 55.9
no tail - body molt - bp. well dev. wing molt +. bill = 35 mm
2270 ♀ ___ ______ ova to 1mm - no fat 57.4
bp refeathered - molt. bill = 35 mm

Britton Area | 2271 ♂ Imm. C. melanotos - T<1mm. very light fat 71.0
- juv. plumage complete - no molt

2272 ♂ Imm. - C. pusillus - T<1mm - very light fat 21.3
W 2273 ♀ Imm C. mauri - foll <1mm - " " 23.4
- above 2 Imm - with complete juv. plumage

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7 Aug Barrow, Alaska

AAcS 2274 ♂ fmm C. melanotos - T=1m - no fat 68.3g
- 1 of 2 fm

2275 ♂ juv. — — -T<1m - no fat 31.9

2276 ♀ C. melanotos - foll. to 1mm - very light fat 62.6
cor=o-A - dsm o-D scap=o-A - rump=o br-no=o
- bp well dev - with #2276

cm 2277 ♀ — — - foll. to 1m - very light fat 63.1
cor-dsm - scap=o-D. rump=o. Tr - br=o-c.
- bp. refeathered

2278 ♀ — — - foll. to 1m - very light fat 59.8
cor o-D ; dsm-scap o-c ; rump=o br-no=o-c.
bp. with A-c.

8 Aug Barrow, Alaska

2279 ♂ C. alpina - T=2x1 very light fat 55.6
molt ; bp refeathered. bill=36mm 1 of 5 nd

2280 ♀ — — foll. <1mm - no fat 54.2
molt — bp refeathered - bill=39m 1 of 2 nd

2281 ♂ — — T<2x1mm - no fat 54.1
molt - bp refeathered - bill=33mm single

2282 ♀ fmm C. melanotos - foll<1m - very light fat 62.3
complete juv. plumage - no molt

9 Aug Barrow, Alaska

2283 ♂ fm C. melanotos - T=1mm - very light fat 62.6
N. Von - plumage complete - no molt

2284 ♀ C. alpina - foll to 1m - very light fat 59.6
body molt just beginning - wing molt - nearly finished
- bp. well dev. not refeath!

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9 Aug Barrow, Alaska

2285 ♀ C. alpina - foll c 1m - very light fat 56.7
molt; bp. refeathered bill = 35 mm

Britton gravel pad 2286 ♂ — ——— T 2x1m - very light fat 52.3
molt - bp. refeather A-C. bill 32 mm

2287 ♂ Imm. — ——— T = 1m very light fat 52.2
post-juv. molt beginning - see data sheet bill = 30 mm

10 Aug. BARROW, ALASKA

2288 ♀ Imm C. alpina - foll c 1m - very light fat 53.0
juv. plum. almost complete - C-E on sides of pelvic region + abdom. region. - bill = 30 - pond edge

So Gardens 2289 ♂ C. alpina - T = 1.5 x 1mm - very light fat 56.0
molt - bp refeathered - bill = 35mm - upland

2290 ♂ — ——— T = 2x1 mm - very light fat 56.8
molt - bp. refeathered - bill = 33 mm - upl.

2291 ♂ — ——— - T = 2x1 - very light fat 58.2
molt - bp. - clear with some A - periphery
bill = 35 - upland

12 Aug Barrow, Alaska

2292 ♂ Imm. C. melanotos - T: 1x2 mm - very light fat 65.5
body molt starting (post-juv.) - see data sheet

So Gardens 2293 ♀ Imm — ——— - foll c/mm - very light fat - 53.3
no molt - pond edge

13 ~~Aug 1964~~ BARROW, ALASKA

2294 ♂ Imm. C. melanotos - T. 2mm - no fat 69.1
juv. plum: not compl. - tail plum: D - upper cov. - E -
lower cov - A-C. body molt - C-D. - neck shell
downy - ?? - B-E.

Holmes
1963

Catalog

14 Aug. Barrow, Alaska

goslin R 2295 ♂ Imm. C. alpina -T=1m - no fat 45.7
~~part~~ juv ~~molt~~ plum not quite complete - C-E on pelu rep - C-E on Thr & A-E on breast. down on back/neck

15 Aug Barrow, Alaska

-skin to maller-Tenaga Tenaga 2296 ♂ Jam. C. melanotos -T=2.5 x 1m- very light fat 71.5
on molt

So. wobl. " 2297 ♂ Jm C. alpina -T=1x2mm - very light fat 42.5
juv. plumage not quite complete - C-E on crown rump & scap. Otherwise complete. Under cover C=C

So cm 2298 ♂ Jam C. alpina -T=1x.5m - very light fat 55.0
-molt - see sheet

So wobl 2299 ♂ C. alpina -T=1x.5m - very light fat - 60.4
-molt - bill=34mm - bp-refeathered

N. goslin 2300. ♂ Jm __ ____ -T<1m - no fat 49.6
bill=34mm - molt

2301 ♀ Jm C. bairdi -fall <1m - very light fat 35.1
juv. plum. not yet complete - (C+E).

16 Aug BARROW, Alaska

So goslin 2302 ♂ Jam. C. melanotos -T=2 x .5m - light fat 72.4g
no molt. juv. plum. complete

2303 ♀ Jm __ ______ -foll<1m - mod. fat - 62.5
no molt - juv. plum. -complete

2304 ♀ Jm. __ ______ foll <1m -very light fat 48.5
So m.2- juv. plum -not complete - head & neck down -
crown O-P -scap-down C-E. -
bird was alone, flying

Holmes
1963

Catalog

16 Aug. Barrow, Alaska

2305 ♂ Imm. C. alpina - T=2x½m - very light fat 52.5
So. juv. - body molt starting · bill 33 mm

2306 ♀ — ——— - foll. 1m - light fat 67.1
So. m.l. - wing & tail molt compl. - body molt -

2 1/3 nm 2307 ♂ — ——— T=2x½m - light fat 61.1
wing & tail molt about compl. - body molt. bill: 32 mm

2308 ♂ — ——— - T=2x½m - very light fat 59.3
wing, tail & body molt - bill=33 mm

nm 2309 ♂ — ——— - T=1x½m - very light fat 58.2
molt, bill=30m - bursts ¿ feathers

17 Aug Barrow, Alaska

ns 2310 ♀ Imm E. melanotos · foll. 1m · light fat 61.1
ns 2310b ♀ ~~Imm~~ — ——— " - " " 55.6

18 Aug Barrow, Alaska

ns So juv. 2311 ♂ E. alpina - T=6m moderate fat - 63.8
wing tail molt=E. body molt bill=33m

2312 ♂ E. alpina T=2x1m - light fat 55.4
molt. bill=35m

ns full tale 2313 ♂ Im E. bairdi - T=1.5x1m - mod. fat 46.5.

19 AUG. Barrow. Alaska

2314 ♂ E. alpina - T=2x½m - light fat 64.8
molt - bill=32m

20 August Barrow, Alaska

5ml 2315 ♂ E. alpina - T=2x1m. very light fat 61.9
molt bill=34 mm

2316 ♀ — ——— - foll. 1m - light fat 61.8
ns nuclea molt - bill=32m

Holmes
1963

Catalog

20 Aug Barrow, Alaska

SML	2317	♀	C. alpina - full c/m - light fat bill = 36 mm		65.8
	2318	♀	Imm C. alpina full c/m - no fat - body molt -		58.9
	2319	♂	Imm - C. melanotos T = 1m - very light fat - no molt		64.9
ns,	2320	♂	Imm E. bairdii		33.1 g
	2321		Imm C. alba	- light fat	56.7
	2322		Imm E. mauri		23.6

(2318–2319: So. gen...)

21 Aug Barrow, Alaska

2323	♂	Imm C. melanotos - ~~full~~ T = 1 x ½ m V. Li, ... fat . no molt		72.9
2324	♂	Imm - ______ T = 1.5 x 1m - V. L. fat no molt		67.1
2325	♂	Imm ______ T = 1 x 0.5m - - very light fat no molt		65.8
2326	♂	Imm - ______ T = 1.5 x 0.5m - very light fat no molt		62.1
2327	♀	Imm ______ full c/m - very light fat no molt - bill = 29 mm		51.8

bill = 29, 30, 28, 29 . for 4 above ♂

22 Aug Barrow, Alaska

(E BR)	2328	♂ C. alpina - T = 1 x 0.5 m - light fat molt - bill = 34 mm	65.0
(NE BR)	2329	♂ ______ - T = 1 x ½ m - mod. fat molt - bill = ~~...~~ 33 mm	63.9

Holmes, R.
1963

Catalog

22 Aug Barrow, Alaska

NE BR 2330 ♀ C. alpina - foll to 1m - moderate fat molt - bill = 37m 72.9

19 Aug Barrow, Alaska

NS 2331 ♀ Imm Limnodromus scolopaceus - foll ≤ 1m - very light fat - no molt 113.1

NS 2332 ♀ Imm ——— ——— - foll ≤ 1mm - very light fat - no molt 104.0

23 Aug Barrow, Alaska

NS 2333 ♂ Imm C. alpina - T = 1.5 x .5m - very light fat body molt - bill = 35m 58.9

NS 2334 ♂ Imm - ——— - T = 1 x 0.5 m - light fat body molt just starting. bill = 31 mm 54.4

NS 2335 ♂ Imm ——— T = 1 x ½ m - light fat body molt - bill = 35m 60.2

2336 ♂ Imm E. ~~mauri~~ pusillus - T < 1 - light fat no molt bill = 20mm 31.5

NS 2337 ♂ Imm C. melanotos - T < 1m - mod. fat no molt 70.7

2338

— retired

2350

Holmes
1963

Catalog

21 Sept. Emeryville, Alameda Co., Calif.

2351 ♂ I *Calidris alpina* -T=2x1mm. light fat 54.4
molt compl. exc. for following locations: center / sternal tracts - scattered feathers (cent. + at periphery) in C+D stages. (>5%). On side / head, around eye and ear opening feather C-D. No other molt. 4 Red fea. on dorsum. no blood in belly. Bill = 34mm

2352 ♀ Ad ______ ______ -total ova to 1mm - light fat 63.5
molt completed exc. for following areas: sternal tract - C+D in center (most in most [struck] ones here R only 5%. / total fea in tract) - few at periphery - (under wing). Some D's on side / head - but most seem to be complete. 12-20 scattered C's on lower dorsum. 3 Red. fea. on lateral edge / dorsal tract, no blood on belly

2353 ♂ Ad ______ ______ -T=3x1 - mod. fat 58.2
molt completed except for C-D stages. 3 red feathers at humeral tract - 8-12 black feath on abdomen - but no new molt - there. bill=35mm

Holmes, R.
1963

Catalog

28 Sept. Emeryville, Alameda Co, California

s 2354 ♂ Erolia minutilla - T 1x0.5mm - light fat - 21.0g
cr O→D→E, dsm O→D-E; pelv-E. hum O-C-E
thr O-C. br = O.A-C. - no wing or tail molt
(exc. upper tail coverts (B→C).

s 2355 ♂ ____ ____ T = 1x0.5mm light fat 20.8
cr-dsm O-C. Rump C-E -hum-O-C-D Thr O-C br O-C

w 2356 ♂ ____ ____ T = 0.5x0.25 - very light fat 20.4
cr.-dsm.-hum O-C-E rump = A-E -Thr = O-C-E br O-B-E

2357 ~~2359~~ ♂ Ereunetes mauri - T = 1x0.5mm - light fat
hum cr. - C-E dsm B-E rump C-E Thr br O-C-E. 28.2

5 Oct. Emeryville, Alameda Co., California

2358 ♀ Calidris Alpina - ova <1mm - ~~lt~~ mod. fat 60.8
ns Ad no molt bill = 39mm
, see feather wt. data

2359 ____ ____ 58.1
Ad cr.-~~rump~~: E. dsm - scap = D-E. Thr - br = C-E
ale sides / head D-E (auricular).
no appendage or app. coverts molt. - bill 40mm
-ap

2360 ♀ ____ ____ - ova <1mm. heavy fat 73.6
Ad cr. dsm - rump - Thr - br = E. scap (3-4 B - rest all E).
ns auricular patch C-D-E - bill = 43mm
- 12-16 red feather ~ scap - rest all gray
- app. feathers = 72.4 - body feath - 69.3

40
36
...

Holmes, R.
1963

5 Oct Emeryville, Alameda Co, Calif.

2361 ♀ *Ereunetes mauri* - ova < 1 mm - mod. fat 30.0
no wing-tail molt. cr = C-E . dsm B-D-E
NS · rump E. hum = C-E Thr-br = 0-C-E
bill = 26 m

2362 ♀ ______ ______ - ova < 1 m - light fat 26.1
no wing-tail molt . cr = D-E - dsm = C-E
rump = E. hum = B-D-E Thr-br = 0-C-E
bill = 25 m

2363 ♀ ! ______ ______ - ova < 1 m - light fat 23.3
no wing molt - in tail - central ones = A;
laterals look old. dsm - hum cr = 0-C-E - rump = E
Thr - br - 0-A-E bill = 18 m

16 Oct. Emeryville, Alameda Co, Calif.

2364 ♀ C. alpina - Ova to 1 m. moderate fat 67.6
- no molt. - bill = 38.5

? 2365 ♀ - ______ - ova < 1 m moderate fat 68.1
no molt - bill = 41 m

feath wts 2366 ♂ Ad ______ T = 3 x 1 m - very light fat 51.8
mid br. : D-E - no other molt & even here only
6-11 feathers in D. bill = 35 mm
(in mid line)

2367 ♀ ______ ______ ova < 1 m - mod fat 64.7
no molt, bill = 41 m

2368 ♀ ______ ______ " light fat 58.9
no molt, bill = 39

Holmes, R.
1963

Catalog

16 Oct Emeryville, Alameda Co., California

DRIED exp.

2369 ♀ C. alpina 70.0

bill = 40mm - no molt

2370 ♀ ——— 60.6

bill: 39m - no molt

Plumage RUNS

2371 ♂ C. alpina T = <1mm - no fat (or v. v. light) 47.8

bill = 34 - no molt

2372 ♂ C. alpina - T = <1m - very light fat, 47.7

~~no molt~~

~~2401~~ 2373 ♂ C. alpina - T - <1mm - very light fat 52.4

C-E. feathers on ventrum

2374 ♂ Ad ——— -T = 2x1mm. mod. fat 61.1

no molt - bill = 35mm

2375 ♀ Ad ——— -ova <1mm - no fat 47.5

no molt - bird "skinny" - bill: 39 mm

2376-2379 - not saved

3 Nov. Pt. Isabella - Alameda - Contra Costa Co. line - Calif.

G.E. Chaniot #428

2380 ♂ Ad C. alpina ssp. - T = 3x1mm · very light fat 53.3

Cr = E ; dsm - sev 0 - nut E. rump = 0.

~~[illegible]~~ Br = 0. Nr = E + 10 blood feat. ; no new molt

R. Holmes
1963

Catalog

17 Nov. Emeryville, Alameda Co., California

2381 ♀ Ad. C. alpina - ova <1mm - very light fat 57.6
no molt bill=38mm

2382 ♂ Ad ___ ______ T=2x1mm - light fat 55.6
no molt bill=34mm

2383 ♂ I ___ ______ T=2x1mm - very light fat 53.3
no molt bill=35mm

2384 ♂ Ad ___ ______ T=3x1mm - light fat 59.1
-no molt bill=37mm

2385 ♂ Ad ___ ______ T=3x1 - very light fat 53.3
no molt bill=37mm

2386 ♂ Ad ___ ______ T=2x1mm - very light fat 51.2
no molt bill=36mm

2387 ♀ I ___ ______ ova <1mm - very light fat 54.7
cr E, dsm=C-E; rump=E, scap C-E; thr-br=C-E · Aux-C-E. bill=38mm

2388 ♂ A ___ ______ T=3x1mm - very light fat 53.0
(sexed fr. a stomach u... muscle). bill=36mm

2389 ♂ Ad ___ ______ T=3x1mm - very light fat 50.9
no molt bill=36mm

2390 ♀ I ___ ______ foll. <1mm. very light fat 55.2
bill=38
scattered C's+D on dorsum (all tracts); thr-C-E, br C-D-E. Axw C-E

2391 ♂ A ___ ______ T=2x1mm - light fat 54.7
no molt bill=37mm

2392 ♂ ___ ______ · T=2x1mm - very light fat 56.1
cr, dsm, rump=E, scap=C-E; thr=E, br=C-E, Axw=D-E

2393 ♂ ___ ______ T=1mm - no fat - bill=34mm 44.7
forehead-D-E, cr, dsm, rump, scap=E. Thr-br-C-E on sides only.

R. T. H.
1963

Catalog

17 Nov. Emeryville, Alameda Co., California

2394 ♀ I C. alpina - ova < 1mm very light fat 54.5
no molt bill = 37m

2395 ♀ N ______ ______ - ova < 1mm - very light fat 51.7
no molt bill = 37mm

2396 ♀ I ______ - ova < 1m - light fat 61.5
(D-E on cr. thr. forehead.) bill = 40mm

2397 ♀ I ______ - ova < 1m - moderate fat 64.0
- no molt (see D on thr & forehead) bill = 39

2398 ♀ ______ - ova < 1mm. light fat 62.0
cr, dsm, rump, scap, thr, br = C-E. scattered feathers in all tracts in molt (thr C-E.) bill = 39mm

Holmes, R.T.
1964

Catalog

4 June Barrow, Alaska

~~2300 C. melanotos~~

#'s ?

5 June Barrow, Alaska

2301 ♂ C. melanotos - T = 12x5mm - very light fat - no molt - 96.5
(2 T. carinifrons in stomach) - VOR

6 June

2302 ♂ — ——— T = 13x7mm - light fat - no molt 95.9
- mounted skin

7 June

2303 ♂ C. fuscicollis T = 10x5mm - heavy fat 53.9
neck fatty - but so was entire body - no blood vessels extending into fat - nothing different.
- stomach contained 6 muscid larvae, 4 Tipula
3 Pedicia.

~~15 June Barrow, Alaska~~

2304 ~~C. fuscicollis~~ 57.4

~~2305~~ — ——— ~~41.4~~

22 June Barrow, Alaska

2304 ♀ Phalaropus fulicarius - ovary 10mm - 3 coll. foll. (1 in oviduct) 64.8
- very light fat

25 June

2305 ♂ Tryngites subruficollis - T = 11x6mm light fat - 65.4
no brood patch

2306 ♂ Calidris fuscicollis - T = ~~11~~ 9x6 mm - light fat 42.2
[displayed] - no brood patch

KT77
1964

Catalog

27 June Barrow, Alaska
2407 ♀ C. fuscicollis - ova to 3mm. light fat - 43.0
brood patch well developed - bird collected in
distr. display from nest # 6

28 June Barrow, Alaska
2408 ♂ C. fuscicollis - Testis smashed. No fat - 36.3
- no b.p. - no throat special. - shot at close range
during upward display to 2409
2409 ♂ — ——— T = 11x6m. - very light fat 41.7
no b p

29 June - Barrow, Alaska
2410 ♂ — ——— T: 7x4 mm - very light fat 40.6
molt 0->A in all tracts - not very - tail - no b.p.
2411 ♂ — ——— T: 5 x 3m. - v. light fat 41.1
cr 0-B; ds. 0-C, thr 0-B, br 0-C. - heavy
body molt. no b.p.

- see HEC - 5663, 5664, 5665
F-AP - 64-32
Mael - 244
] fdl sp. acct. p. 41

30 June Barrow, Alaska
2412 ♂ Tryngites subruficollis - 11x7mm - light fat. 64.9
no molt (some indicates / except 1 molt on crown)
collected near E.of Stake 17 - Pitelka Plot

1 July
2413 ♂ C. fuscicollis - T = 9x5mm - very light fat 41.0
- no molt, no bp. - Thr. partially fatty - but
no difference from others
- with flock 1 4BS.

RTH
1964

Catalog

1 July Barrow, Alaska

<1/1 2 - beginning [illegible]

2414 ♂ C. fuscicollis - T = 8 x 4 - very light fat - 39.9 g

cr 0-B, dsm 0-A, br-mr 0-A. - no b.p. - no mr. spec.

2415 ♂ — ——— T = 7 x 4n - very light fat - 38.0

no molt, no b.p.

↓ beginning on crown.

- single collected on E. BR.

collected with ♂ 2418 on gradient

2416 ♀ ad Tryngites [illegible] Ovato 3 mm. Brood patch. 62.0

No molt [illegible]

lone ♀ - between ♂ 1 & 2 - gradient

2417 [illegible]

gradient ♂ near River

2418 [illegible] 64.[illegible]

7 8899